

Digital Synthesized AM/FM Stereo Tuner TV JAPAN ONLY

T-117/T-117L T-03/T-03L



T-03L



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Specifications

<fm radio=""></fm>	
Intermediate Frequency	10.7MHz
Frequency kange	76.1~ 89.9MHz(JA Model Only) 87.5~108MHz (SD, EK Model)
	87.9~107.9MHz(UZ Model Only)
	13dBf(JA, EK, UZ Model)
(Mono 3% T.H.D)	16dBf(SD Model Only)
Signal to Noise Katio (Stereo)	70dB
IF Response Ratio	7VdB
Distortion(1KHz, Stereo)	
Stereo Separation(1KHs)	40dB
Frequency Response (30Hz ~15KHz)	±1.5dB
Out put Level (Mono)	45dBf 700mV±3dB
	100m4 - 20D
<am(mw)radio></am(mw)radio>	
Frequency Range	522~1611KHz(JA, SD, EK Model)
	530~1620KHz (UZ Model Only)
Usable Sensitivity(20dB S/N)	76 2dRf
Signal to Noise Ratio	42dB
Image Kesponse Ratio(IKHz)	30dB
Distortion	40dB
Frequency Response(120Hz~2KHz)	+94B
Output Level	$\begin{array}{c} \pm 3dB \\ 210mV \pm 3dB \end{array}$
<lw radio=""> (SD Model Only)</lw>	
Intermediate Frequency	450KHz
Frequency Range	158 ~ 281KHz
Usable Sensitivity(20dB S/N)	
Image Response Ratio	25dB
Distortion	27dB
Output Level	176 210mV±3dB
S/N Ratio	42dB
<tv> (JA Model Only)</tv>	
Intermediate Frequency	54,25MHz
Channel Range	1 ~ 69ch
Usable Sensitivity(30dB S/N)	2ch: 20dBf
Signal to Noise Ratio	32ch;25dBf
	Stereo: 45dB
	Main: 48dB
	Sub: 48dB
	32ch Mono: 40dB
	Stereo: 40dB Main: 40dB
	Sub-10dR
Frequency Response (50Hz ~10KHz)	+1,-3dB
Channel Separation(LVUs)	1.8% Stereo 25dB
Channel Coparation(IMIZ)	Stereo 25dB Main-Sub 40dB
	Sub-Main 45dB
Output Lebel	700mV±3dB
≪GENERAL>	
Power Supply	100V, 50/60Hz(JA Model Only)
	220V. 50Hz(SD. EK Model)
Payer Consumption	120V, 60Hz(UZ Model Only)
Power Consumption Semiconductors	15W
	241C's 59 Transistors, 8 FET's, 73 Diodes, 10 Zener Diodes
	(JA Model Only)
	211C's 57 Transistors, 6 FET's, 62 Diodes, 10 Zener Diodes
	(SD Model Only)
	211C's 49 Transistors, 3 FET's, 59 Diodes, 10 Zener Diodes (EK Model Only)
	211C's 50 Transistors, 6 PET's, 61 Diodes, 10 Zener Diodes
Disease	(117. Model Only)
UI MENSIONS	453 (W) × 62 (H) × 323 (D) un 3.6 Kg
#O1PH1	3.6Kg

Parts Locations and Disassembly Instructions

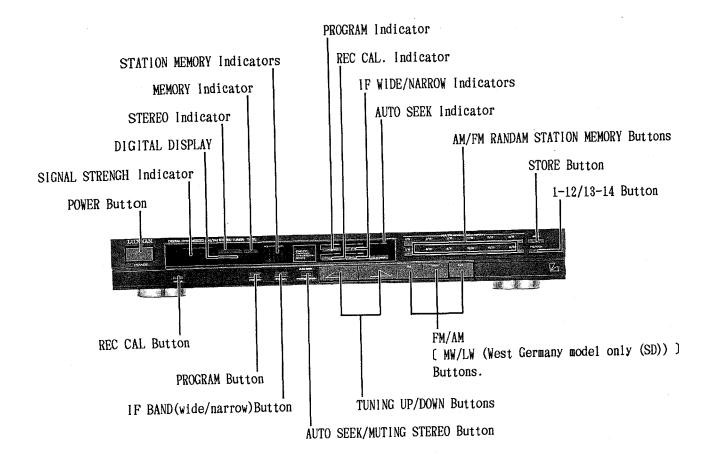


Figure 1

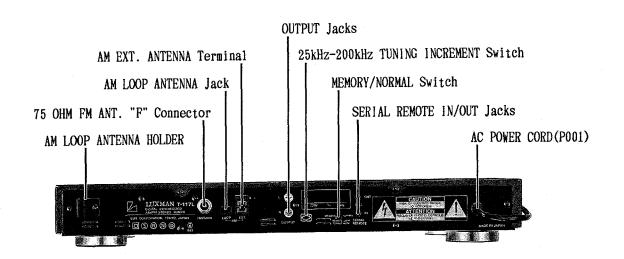
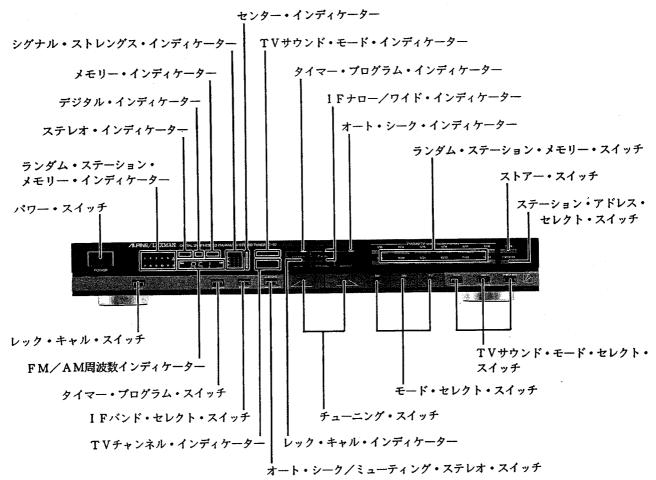
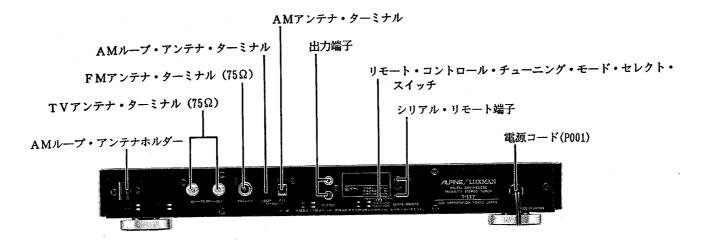


Figure 2

• Japanese model only(JA)



< 3 図>



< 4 図>

1. Removal of Top Cover

- Remove six screws marked "O" as shown in Figure 5 and 6.
- (2) Pull out the Top cover in the direction of the arrow as shown in Figure 3.

1. 上蓋の外し方

- (1) 6本のネジ"○"を外します。(5,6図参照)
- (2) 矢印の方向に引き上げれば、上蓋は外すことができます。(3 図参照)

2. Removal of Main P.C. Board

- After removal of Top cover, remove eleven screws marked "※" as shown in Figure 6 and 7.
- (2) Disconnect all wires from the Main P.C. Board.
- (3) Main P.C. Board can be removed by pulling it forward.

2. メイン基板の外し方

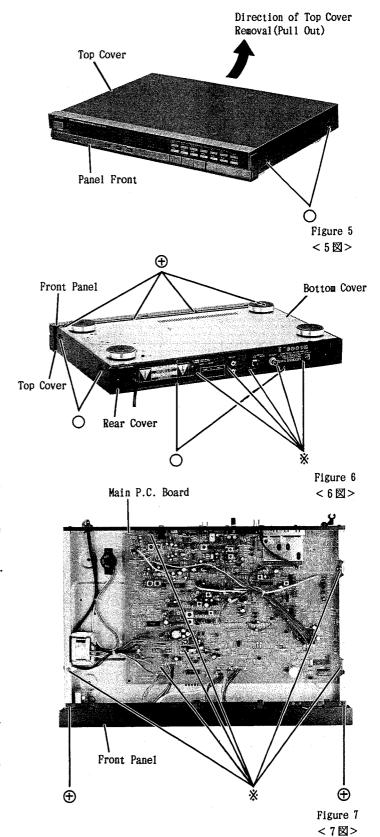
- (1) 上蓋を外してから11本のネジ "※" を外します。 (6, 7図参照)
- (2) メイン基板から出ているすべてのリードを外します。
- (3) メイン基板を手前に引いて外します。

3. Removal of Front Panel

- Remove six screws marked "⊕" as shown in Figure 6 and 7.
- (2) Front panel can be removed by pulling it forward. But when the panel is engaged tightly, pull the panel end little by little, and the panel will be removed easily.

3. フロント・パネルの外し方

- (1) 上蓋を外してから、6本のネジ *⊕* を外します。(6,7図参照)
- (2) フロント・パネルを手前に引いて外します。パネルを 外すときパネルはセットにしっかりと取りつけてあり ますので、パネルの両端を持って少しづつ引くように して外してください。



4. Removal of Front Frame

- (1) After removal of Front Panel, remove eight hooks(a) as shown in Figure 8 and 9.
- (2) Unplug all the connectors from the display P.C. board and switch P.C. board. The front frame will be removed together with the P.C. boards.

4. フロント・フレームの外し方

- (1) フロント・パネルを外してから、8個のホック(a) を 外します。(8,9図参照)
- (2) ディスプレイ基板,スイッチ基板から出ている全ての コネクターを外しますと,各基板と一緒にフロント・ フレームは外れます。

5. Removal of Display P.C. Board

- After removal of Front Frame, remove three screws marked " ◎ " as shown in Figure 10.
- (2) Remove three hooks(b) as shown in Figure 10.

5. ディスプレイ基板の外し方

- (1) フロント・パネルを外してから、3本のネジ *◎ * を 外します。 (10図参照)
- (2) 3 個のツメ(b) を外しますと、ディスプレイ基板は 外れます。

6. Removal of Switch P.C. Board

- (1) After removal of Front Frame, remove three screws marked "□" as shown in Figure 10.
- (2) Remove eight hooks (c) as shown in Figure 10.

6. スイッチ基板の外し方

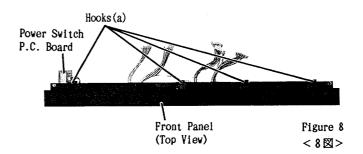
- (1) フロント・フレームを外してから、3本のネジ "□"を外します。(10図参照)
- (2) 8 個のツメ(c) を外しますと、スイッチ基板は外れます。

7. Removal of Power Switch P.C. Board

(1) After removal of Front Frame, remove two screws marked "O" as shown in Figure 10.

7. パワースイッチ基板の外し方

(1) フロントフレームを外してから, 2本のネジ "回" を 外しますと, パワースイッチ基板は外れます。 (10図参照)



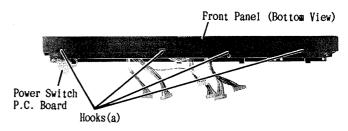
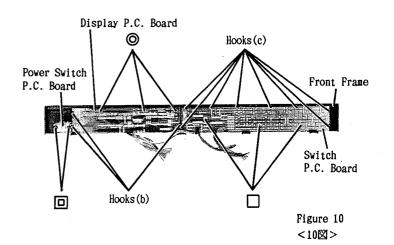


Figure 9 < 9図>



Adjustment Procedures

MW(SD Model Only), AM(EK/UZ Model) AM Antenna (1) Connection Terminal - 60cm -Output (L.R) • AC VTVM AM Signal Loop Set Cenerator Antenna Figure 11 Oscilloscope T.P.1 0 DC VTVM Set

Figure 12

(2) Control Setting

Power Switch----ON
FM/AM/(MW/LW) Switch----AM(MW)
others-----OFF

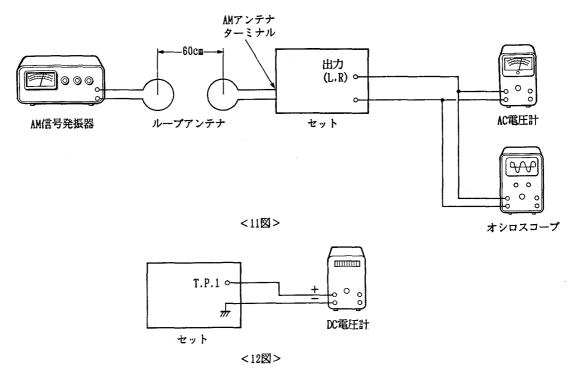
(3) Adjustment (EK.SD.UZ Model)

step	Description	Signal Generator	Dial Control	Adjust Points	Test Points	Connection	Remarks
1	Vf		603KHz(EK.SD) 600KHz(UZ)	L306	TP1	Figure 12	Adjust Vf to 2.2±0.1V at L306
_	Adjustment		1404Kiiz (EK.SD) VC304 1400Kiiz (UZ)			rigure 12	Adjust Vf to 7.1±0.1V at VC304
2	Sensitivity	603KHz(EK.SD) 600KHz(UZ) 60dBa (400Hz.30%)	603KHz(EK·SD) 600KHz(UZ)	L302	Output	Figure 11	Adjust the output to maximum at L302
۷	Adjustment	1404KHz (EK.SD) 1400KHz (UZ) 60dBm (400Hz.30%)	1404KHz (EK·SD) 1400KHz (UZ)	VC302	(L.R)	rigule 11	Adjust the output to maximum at VC304
3	SIG IND & MUTE level Adjustment	1008KHz (EK·SD) 1000KHz (UZ) 55dBm (400Hz·30%)	1008KHz (EK.SD) 1000KHz (UZ)	VR302 VR301 VR501	Output (L.R)	Figure 11	Set VR501 to the position which is *shightly turned counterclockwise from horizontal. Adjust the level to 55dBm ± 12dB at VR302 with the MUTE switch set to ON. Adjust the level to 75 +201 dBm at both VR501 and VR301 s that one or two elements of SIG IND light up. Note:For the section marked with *. refer to VR501 shown in Fig. 21.

調整方法

AM(JA Model Only)





(2) スイッチ類のセット位置

(3) 調整方法 (JAモデル)

順序	調整項目	発振器周波数	受信周波数	調整個所	テスト ポイント	接続図	調 整 方 法
	- A manufel.		603KHz	L306		A O FOR	L306で 2.2±0.1Vに調整
1	V f 調整		1404KHz	VC304	T.P.1	12図	VC304 で 7.1±0.1Vに調整
		603KHz 60dBm (400Hz.30%)	603KHz	L302	出力	4.4 50/	L802で出力最大に調整
2	感度調整	1404KHz 60dBm (400Hz.30%)	1404KHz	VC302	(L.R)	11図	VC302 で出力最大に調整
3	SIG. IND & MUTE レベル調整	1008KHz 55dBm (400Hz,30%)	1008KHz	VR302 VR301 VR501	出力 (L.R)	11図	VR501 を *水平より少し反時計 方向よりに設定し、MUTE-SV ON 状態で VR302で 55dBm±12dBに 調整、この時 SIG.1NDが1~2 点灯する様 VR301とVR501 で 75 +2010dBm に調整 (注) * 印は21図のVR501 を参照願い ます。

LW(SD Model Only)

(1) Connection

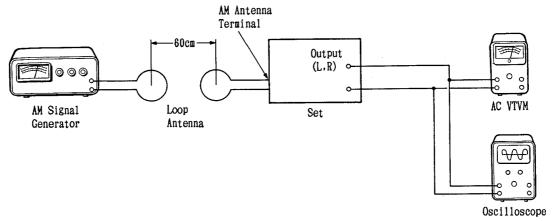


Figure 13

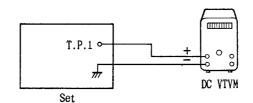


Figure 14

(2) Control Setting

Power Switch.	ON
FM/AM/(MW/LW)	SwitchLW
others	OFF

(3) Adjustment

step	Description	Signal Generator	Dial Control	Adjust Points	Test Points	Connection	Remarks
1 Vf			180KHz	L305	TP1	Figure 14	Adjust Vf to 2.4±0.1V at L305
	Adjustment		261KHz	VC303	111	Ligure 14	Adjust Vf to 5.3±0.1V at VC303
2	Sensitivity	180KHz.90dBm (400Hz.30%)	180KHz	L301	Output	Pigure 13	Adjust the output to maximum at L301
_	Adjustment	261KHz.90dBm (400Hz.30%)	261KHz	VC301	(L.R)	Pigule 10	Adjust the output to maximum at VC301

FM(SD/EK/UZ Model)

(1) Dummy Antenna

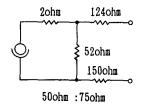


Figure 15

(2) Connector

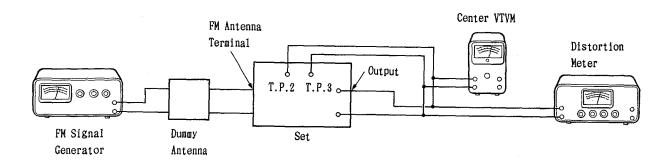


Figure 16

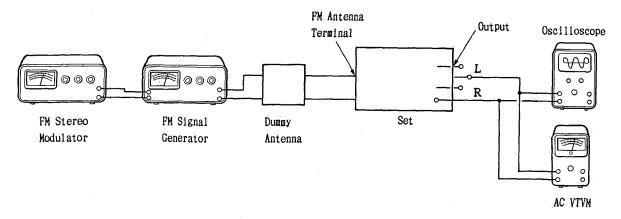


Figure 17

(3) Control Setting

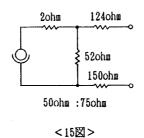
Power Switch ON FM/AM/(MW/LW) Switch FM others OFF

(4) Adjustment(EK.SD.UZ model)

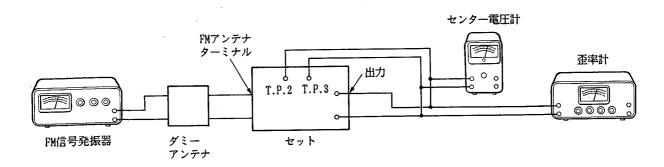
step	Description	Signal	Dial	Adjust	Test	Connection	Remarks
1	lF Adjustment	Generator 98.1MHz 65dBf Non Modulation	Control 98.1MHz	Points L105	T.P.2 T.P.3	Pigure 16	Adjust the level to 0±20mV at L105
2	Mono Distortion Adjustment	98.1MHz 36dBf 1KHz.75KHz Deviation	98.1MHz	VR204 L206 L205 L101 L208 L209	Output (L.R)	Figure 18	Turn VR202 fully clockwise and VR201 fully counterclockwise. Adjust the output to 700mV at VR404. Turn VR204 fully counterclockwise and turn it clockwise little by little untic the distortion will lower twice. AT this position adjust the distortion to minimum. Readjust VR404 to 700mV and adjust the distortion to minimum at L206.L205.L101.L208 and L209 in this order.
3	STEREO Distortion Adjustment	98.1MHz 36dBf 1KHz.75KHz Deviation	98.1MHz	L104	Output (L.R)	Figure 16	Adjust the dislortion to minimum at L104.
4	Pulse Detectiont Output Adjustment	98.1MHz 36dBf 1KHz.75KHz Deviation	98.1MHz	VR404	Output (L.R)	Figure 16	Adjust the output to 700mV +0.5dB at VR404 with the REC CAL switch set to ON.
5	PLL Detection Output Distortion Adjustment	98.1MHz 36dBf 1KHz.75KHz Deviation	98.1MHz	VR201 VR203 L202	Output (L.R)	Figure 16	Turn YR201 fully clockwise. Adjust the output to 700mV +0.5dB at YR203. Adjust the distortion to minimum at L202.
6	PUL/pulse Detection Output Switching Level Adjustment	98.1MHz 36dBf 1KHz.75KHz Deviation	98.1MHz	VR201	Output (L.R)	Figure 16	Adjust at VR201 so that the output level is varied from 700mV ±0.5dB to 700mV +1.5dB.
7	PLL Detection Output Adjustment	98.1MHz 36dBf 1KHz.75KHz Deviation	98.1MHz	VR203	Output (L.R)	Figure 16	Adjust the output to 700mV +1.5dB at VR203 with the REC CAL switch set to ON.
8	SIG IND Light Adjustment	98.1MHz 19dBf (EK.UZ) 22dBf (SD)	98.1MHz	VR103 VR102	Output (L.R)	Figure 16	Turn VR108 fully counterclockwire. Adjust at VR102 so that the first element of SIG IND lights up
9	IF NARROW Again Adjustment	98.1MHz 66dBf 1KHz.75KHz Deviation	98.1MHz	VR101	Output (L.R)	Figure 16	Adjust at VR101 so that SIG IND lights up, with the NARROW switch set to ON.
10	Separation Adjustment	98.1MHz 66dBf 1KHz.75KHz Deviation L(R) signal	98.1MHz	VR401 VC401 VR402 VC402	Output (L.R)	Pigure 17	Receive an L-channel to minimum at VR401 and VC401. (Adjust the waveform leaking to L-channel to minimum at VR402 and VC402.)

FM(JA Model Only)

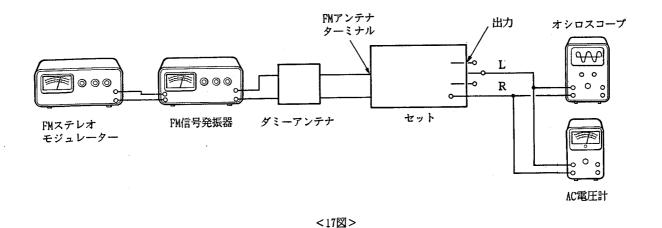
(1) ダミーアンテナ



(2) 接続図



<16図>

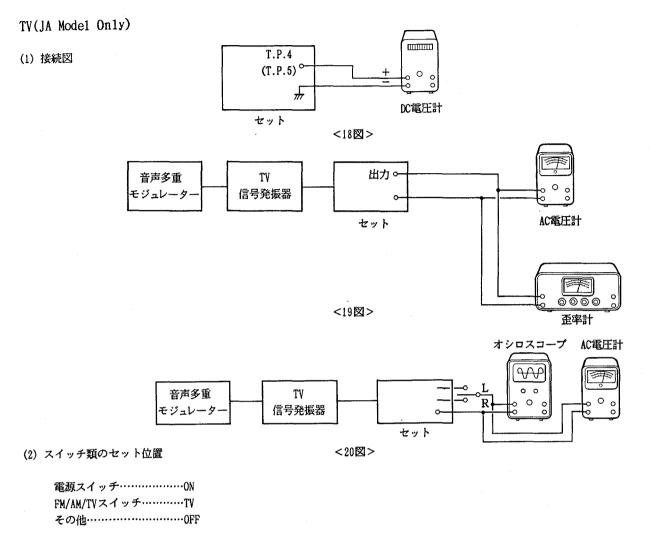


(3) スイッチ類のセット位置

電源スイッチ・・・・・・ON FM/AM/TVスイッチ・・・・・FM その他・・・・・・OFF

(4) 調整方法 (JAモデル)

順序	調整項目	発振器周波数	受信周波数	調整個所	テスト ポイント	接続図	調 整 方 法
1	lF調整	84MHz 85dBf Non Modulation	84MHz	L105	T.P.2 T.P.3	16🖾	L105で 0 ±20mVに調整
2	モノラル歪調整	84MHz 36dBf 1KHz.75KHz Deviation	84MHz	VR204 L206 L205 L101 L208 L209	出力 (L.R)	16図	VR202 を時計方向, VR201 を 反時計方向に廻し切り, VR404 で 出力を700mV に設定し, VR204 を 反時計方向に廻し切り, 少しずつ 戻し歪が2度目に小さくなる所で 最小にする。VR404 を再度700mV に設定し, L206,L205,L101,L208, L209の順で歪を最小にする。
3	ステレオ歪調整	84MHz 36dBf 1KHz.75KHz Deviation	84MHz	L104	出力 (L.R)	16⊠	L104で歪を最小にする。
4	パルス検波 出力調整			VR404	出力 (L.R)	16⊠	レック・キャル・スイッチ-ON VR404 で700mV+1.5dB に調整
5	PLL 検波 出力歪調整	84MHz 36dBf 1KHz.75KHz Deviation		VR201 VR203 L202	出力 (L.R)	16⊠	VR201 を時計方向に廻し切り, VR203 で出力を700mV+0.5dB に 調整し, L202で歪を最小にする。
6	PLL/バルス 検波出力 切換レベル調整	84MHz 36dBf 1KHz.75KHz Deviation	84MHz	VR201	出力 (L.R)	16⊠	VR201 で700mV+0.5dB から 700mV+1.5dB に変化する様調整
7	PLL 検波 出力調整	84MHz 36dBf 1KHz.75KHz Deviation	84MHz	VR203	出力 (L.R)	16⊠	レック・キャル・スイッチ-ON VR203 で700mV+1.5dB に調整
8	SIG IND 点灯調整	84MHz 19dBf 1KHz.75KHz Deviation	84MH2	VR108 VR102	出力 (L.R)	16⊠	YR103 を反時計方向に廻し切り, VR102 でシグナル・インディケー ター第 1 灯が点灯する様調整
9	IF. NARROW ゲイン調整	84MHz 19dBf 1KHz.75KHz Deviation	84MHz	VR101	出力 (L.R)	16🖾	NARROW SW-ON VR101 でシグナル・インディケー ターが点灯する様調整
10	セパレーション 調整	84MHz 60dBf 1KHz.75KHz Deviation L(R)信号	84MHz	VR401 VC401 VR402 VC402	出力 (L.R)	17🖾	L chを受信し,R chへのもれ波形 をVR401,VC401 で最小にする。 (R chも同様にVR402,VC402 で 最小にする)



(3) 調整方法 (JAモデル)

順 序	調整項目	発振器周波数	受信周波数	調整個所	テスト ポイント	接続図	調 整 方 法
1	AGC 電圧調整	2ch 101.75MHz 75dBμ 1KHz.25KHz Deviation	2ch 101.75MHz	VR104	T.P.4	18⊠	VR104 で 4±1.0Vに調整
2	感度調整	2ch 101.75MHz 20dBμ Non Modulation	2ch 101.75MHz	L604	出力	19🖾	L604で歪を最小に調整
3	PILTER調整	2ch 101.75MHz 64dBル ステレオ	2ch 101.75MHz	VR701	T.P.5	18⊠	VR701 で電圧を最大に調整
4	セパレーション 調整	2ch 101.75MHz L(R)信号 1KHz.25KHz Deviation	2ch 101.75MHz	VR702	出力	20図	VR702 でL→R, R→Lの もれが同一になる様調整

Adjustment Locations

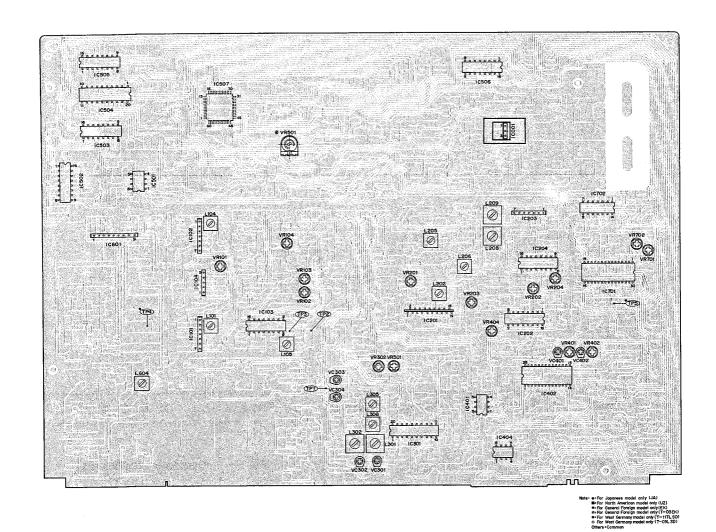
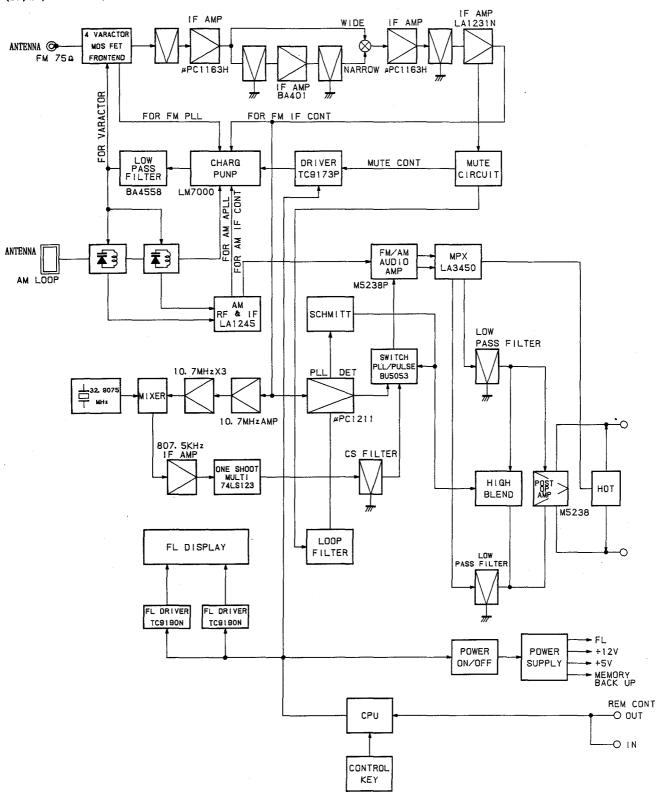


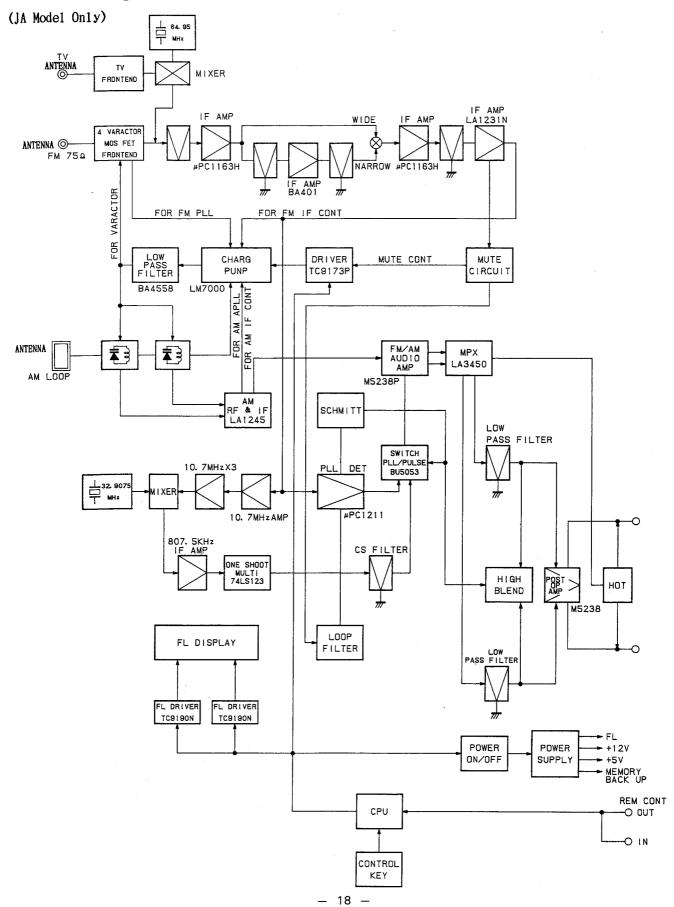
Figure 21 <21図>

Block Diagram

(SD/EK/UZ Mode1)

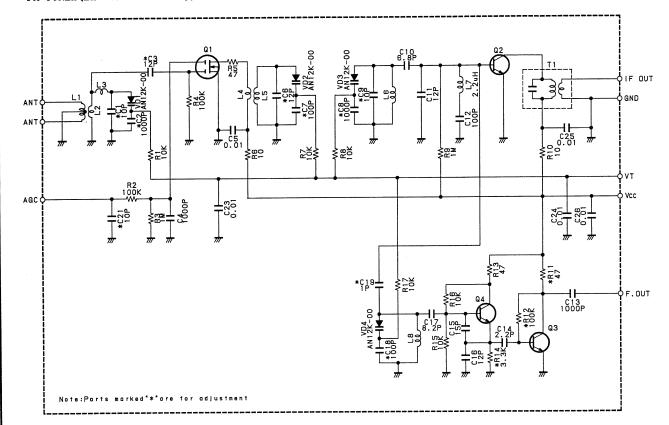


Block Diagram

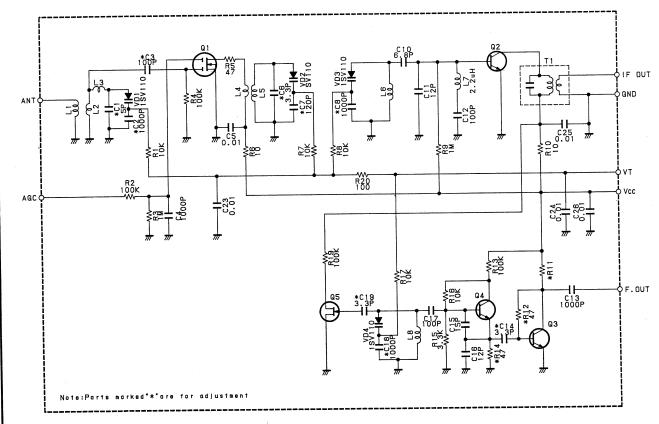


FM Tuner Schematic Diagram

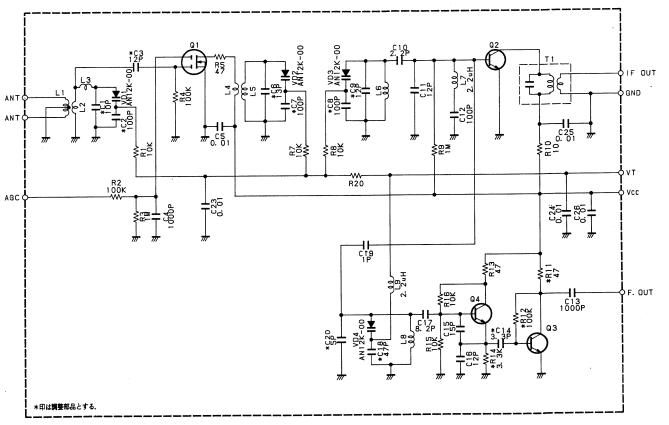
FM TUNER(EK, UZ Model only)



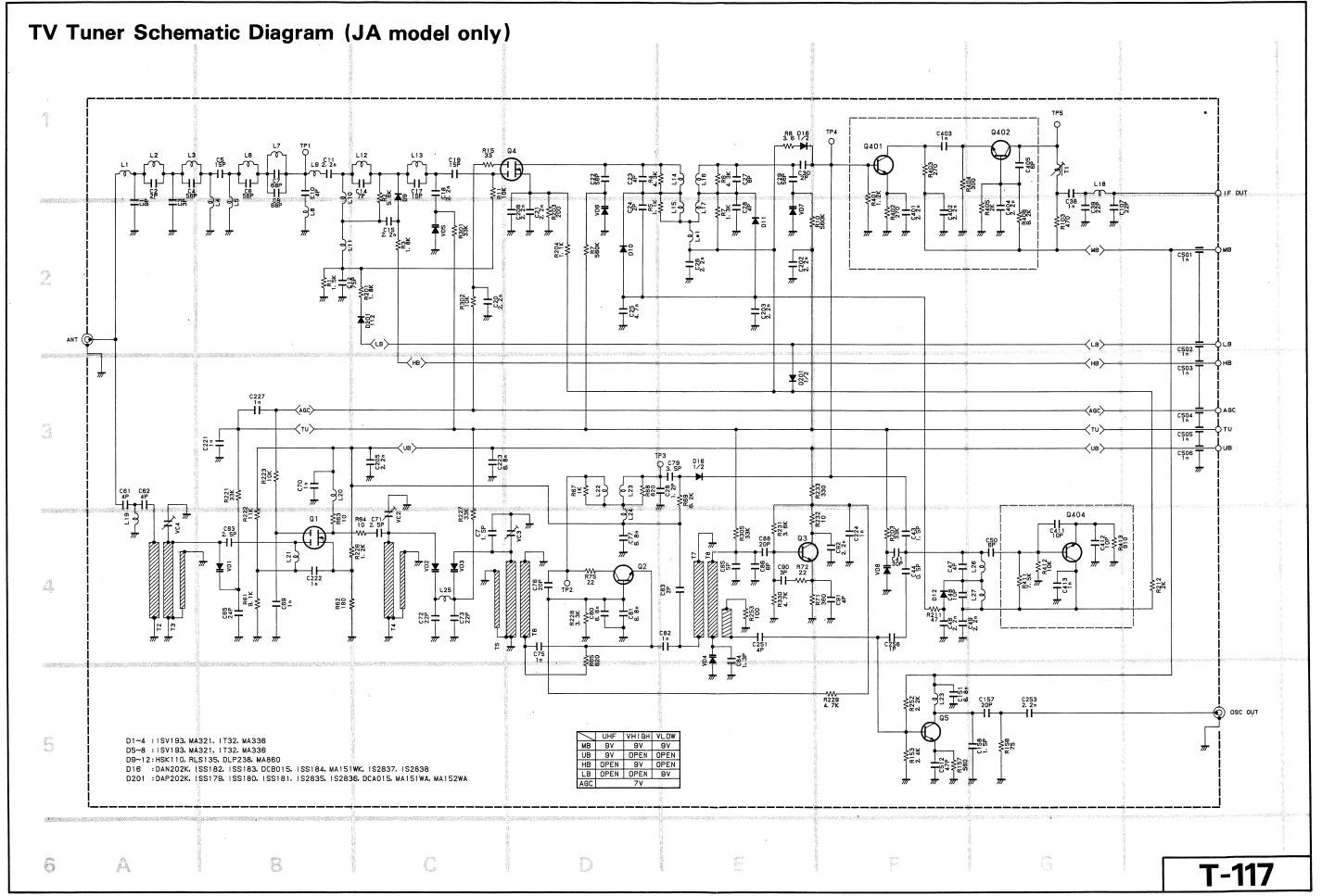
FM TUNER(SD Model only)

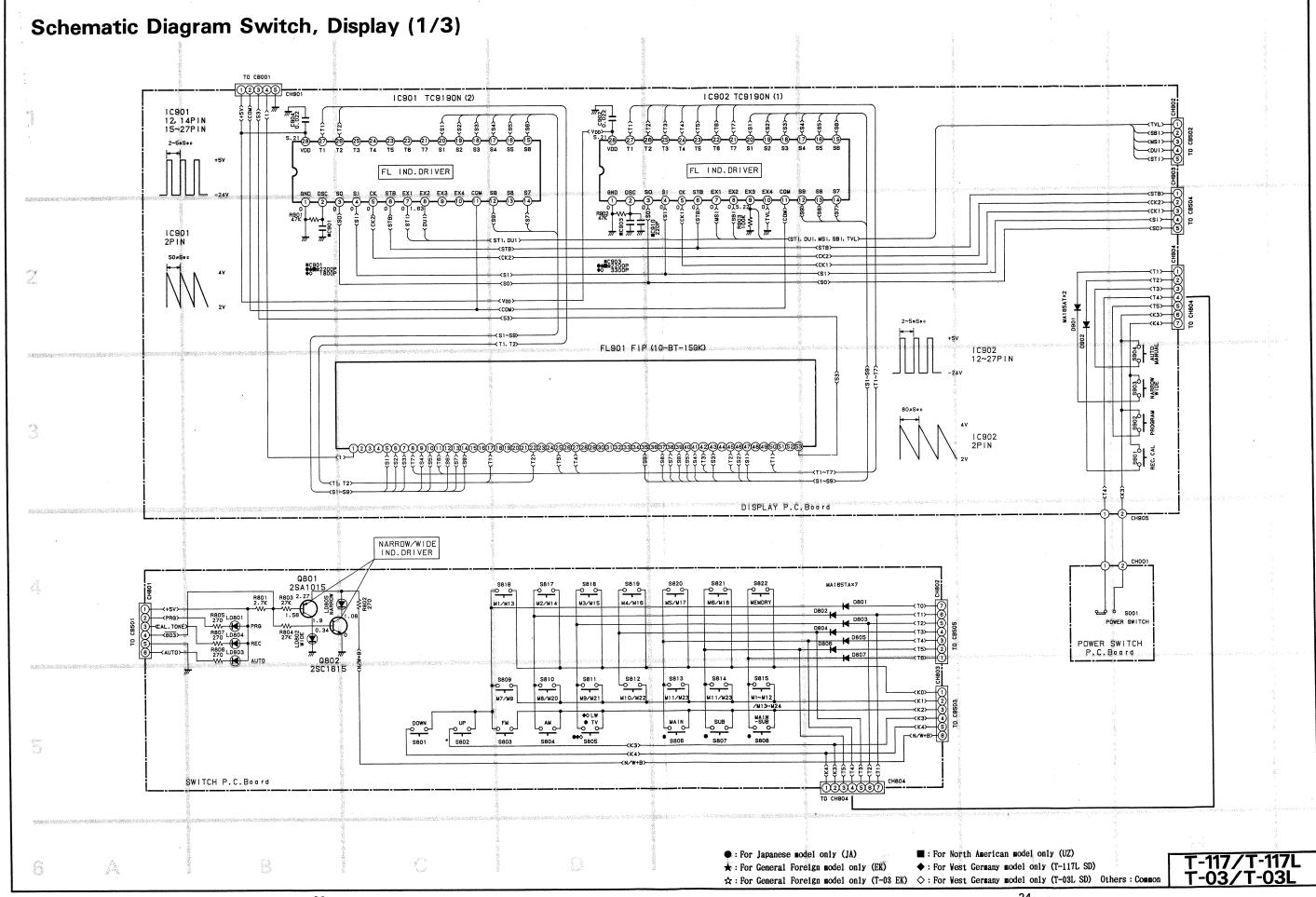


FM チューナー(JA Model only)



T-117/T-117L T-03/T-03L





Terminal Voltage

	iiiiai vo																	1 8	1.9	2 0
	1]	2	3	4	5	6	7	8	9	1 0	11	12	1 3	1 4	1.5	1 6	17	18	1.9	20
IC001	19.18V	OV	12.02V																	
IC101	8.177	8.177	0.33Y	OV	1.09V	2.717	2.71V													
IC102	8.18V	8.18V	0.32V	OV	1.08V	2.69V	2.69V									2 0511/01				ļ
IC103	2.717	2.71V	0.44V	OY	OV	_	5.66V	5.62V	5.63Y	5.64V	8.87V	4.7V(Olnput) OV(65Input)	1.1V(01nput) 5.65V(651nput)	OV	4.94V(01nput) 0.04V(651nput)	0.65V(01nput) 0.9V(651nput)				
IC104	1.38V	1.38V	OV	8.37¥	8.89V		_													
IC201	8.84V	5.83V	0.48V(01 nput) 1.49V(651 nput)	0.02Y	2.28V	5.917	2.28V	2.27V	QY	OY	0.06V	5.23V	5.23V	5.23Y	5.28V	2.87V	2.75V	2.84Y	5.11V	
IC202	_		OV	0.02Y	0.03V	OV	OV	OV	8.86V	8.86Y	8.86V	_	_			8.86V				
IC203	1.96V	1.977	7.18V	OY	7.85V	1.96V	1.977													ļ
1C204	OV		2.49V	_	1.84V	0.01V	1.96V	OY	OV	1.17	5.28V	_	-	_	-	5.28V				
IC801	5.54V	2.15V	2.72Y	VO	5.68V	2.06V	7.72V	7.72V	2.787	5.27V	0.69Y	OV	2.2V	9.18V	1.33V	0.0V (Oinput) 4.28V (100input)	1.82V (Oinput) 2.98V (100input)	5.63V	5.6¥	2.877
IC404	4.84V	4.84V	4.84V	OV	4.84V	4.84V	4.84Y	9.72¥												
IC501	9.947	1.39V	1.38V	OV	1.38V	3.36V	1.317	26.52Y												
1C502	VO	OV	OV	VO	5.18V	0.21V	0.59Y	OV	3.84V	-	2.02V	OV	2.02V	5.18V		OV				
IC503	OV	0.85V	0.84V	0.23V	OV	0.75V	0.74Y	0.75Y	0.02Y(U) 5.02Y(VL,VH)	0.02V(VH) 5.02V(VL.U)	0.02V(VL) 5.02V(VH.U)	OV	OV	OY	OY	5.18V	:			·
IC504	1.447	0.02Y	0.02Y	0.024	0.02Y	5.18V	_	9.43V	0.04Y	0.03Y	0.06Y	0.067	0.06V	2.43Y	5.19V	5.19V		1.38V	07	1.417
IC505	OY	3.85V	0.02V	0.02Y	0.08Y	0.03Y	0.03Y	5.18V	4.19V	4.61V	4.42Y	OY	OY	OV	97	5.19V				
IC506	_		99	OV	OY	OV	OV	OV	5.24Y	OY	OY	_	_			5.19V				
IC601	0.02V (VL) 5.18V(etc.)	0.02V (VH) 5.18V(etc.)	0.02V (U) 5.13V(etc.)	9.81V	OV	8.28V (U) 0V (etc.)	8.28V (VH) 0V (etc.)	8.28V (VL) 0V (etc.)	8.46V	-										
10702	0.5V(PM ST) 6.02V(etc.)	6.02V(FM ST)	0.52V(H+S)	6.02V(M+S) 0V (etc.)	4.12V(Manual) 0.33V(Auto)	0.17V(Manual)		6.02V(Sub) 0V (etc.)	0.62V(Sub) 5.81V(etc.)	6.02V(Main) 0V (etc.)	0.62V(Main) 5.81V(etc.)	6.07V(TV ST) 0V (etc.)	0.62V(TV ST) 6.07V(etc.)	6.08¥		L			<u> </u>	

																			1.0	20
	T 1	2	3	1 4	5	6	1	8	9	10	11	1 2	1 3	1 4	1 5	16	17	1.5	13	
	5.56V	3.27V	2.62V	2.62V	2.62V	2.59V	2.64V	2.59V	2.63V	3.63V(Manual) 0.4V (Auto)	2.28V	4.67V	0.5V (ST) 5.95V (Mono)	YO	2.26V	5.67V	5.63V	5.64V	5.64V	5.63V
1C40	2 1	2 2	2 3	2 4	2 5	2 6	2 7	2 8												
	5.63Y	5.65V	5.61V	5.61V	YO	0.38V	5.64¥	9.9 ^{2V}												

										,							17	1 10	1.0	2.0
	1	9	1 2	4	5	6	1 7	1 2	19	1 10	1 11	1 12	1. 13	14 1	15 (10	1 1 1	1.0	13	20
	9.01V (TV) 0V (etc.)	2.14V	2.14V	0.68V	2.05V	3.53V	3.55V	_	_	3.52V	8.52V	0.62V (ST) 6.07V(etc.)	0.62V(Main) 5.81V(etc.)	0.62V(Sub) 5.81V(etc.)	OV	2.39V		0.42V(Main) 0.97V(etc.)	0.42V(Sub) 0.97V(etc.)	0.17V(Manual) 6.06V(Auto)
10701	2 1	2 2	2 3	2 4	2 5	2 6	2 7	2 8	2 9	3 0										
1	9 05V	9 06V	3 06V	2.33V	2.33V	3.45V	2.01V	_	3.05V		1									

	1	2	3	1	5	6	7	8	9	10	11	1 2	1 3	1 4	1.5	1 6	17	18	19	20
			-	-	_	_	_	_	_	I -	_	-	-	-	_	_	_			
	21	9 9	2.3	2.4	2.5	2.6	2 7	2.8	2 9	3 0	3 1	3 2	3 3	3 4	3 5	3 6	3 7	3 8	3 9	4 0
1C507			5.17V	0.02Y	0.02Y	0.02Y	0.02V	0.3Ÿ	0.37	0.62Y	0.03Y	4.6Y	4.6V	4.99V	OV	2.39V	OV	5.42Y	5.02Y	0.037
	41	4 2	4.3	44	4.5	4 6	47	4 8	4 9	5 0	5 1	5 2	5 3	5 4	5 5	5.6	5 7	5.8	5 9	6.0
	5.17V	OV	OV	OY	OY	5.22V	5.22V	5.75V	OV	2.2V	1.78V	OV	5.22V	-	-	-	_	_		

	1	2	3	4	5	6	7	8	9	10
PE101	OV	90	4V(0 IN) 0V(65 IN)	04	B.42V~20.78V	VO	OV	9.837	VO	2.58V

	1 1	2	3	4	5	6	7	8
PE601	OV	9.81V(TV)		8.28V(VL) 0V (etc.)	6.82V	8.28V(VH) 0V (etc.)	2V~24V (Vf)	8.28V(U) 0V (etc.)

NOTES:

- 1. All resistance values are in ohms. K-1.000
- 2. All capacitance values are in microfarads. P= 1.000.000
- 3. All the diodes without indication are MA165TA.
- 4. When replacing varactor diodes, VD301~VD304 always use a diode with the same ranc.

Voltage Measuring Conditions

• Power Supply Voltage : AC 100V. 50/60Hz (JA model only)

AC 120V, 60Hz (UZ model only) AC 200V. 50Hz (EK. SD model only)
: Digital Multi Voltmeter

• Measuring Meter

· Measuring point reference : Between Ground

Measuring Conditions

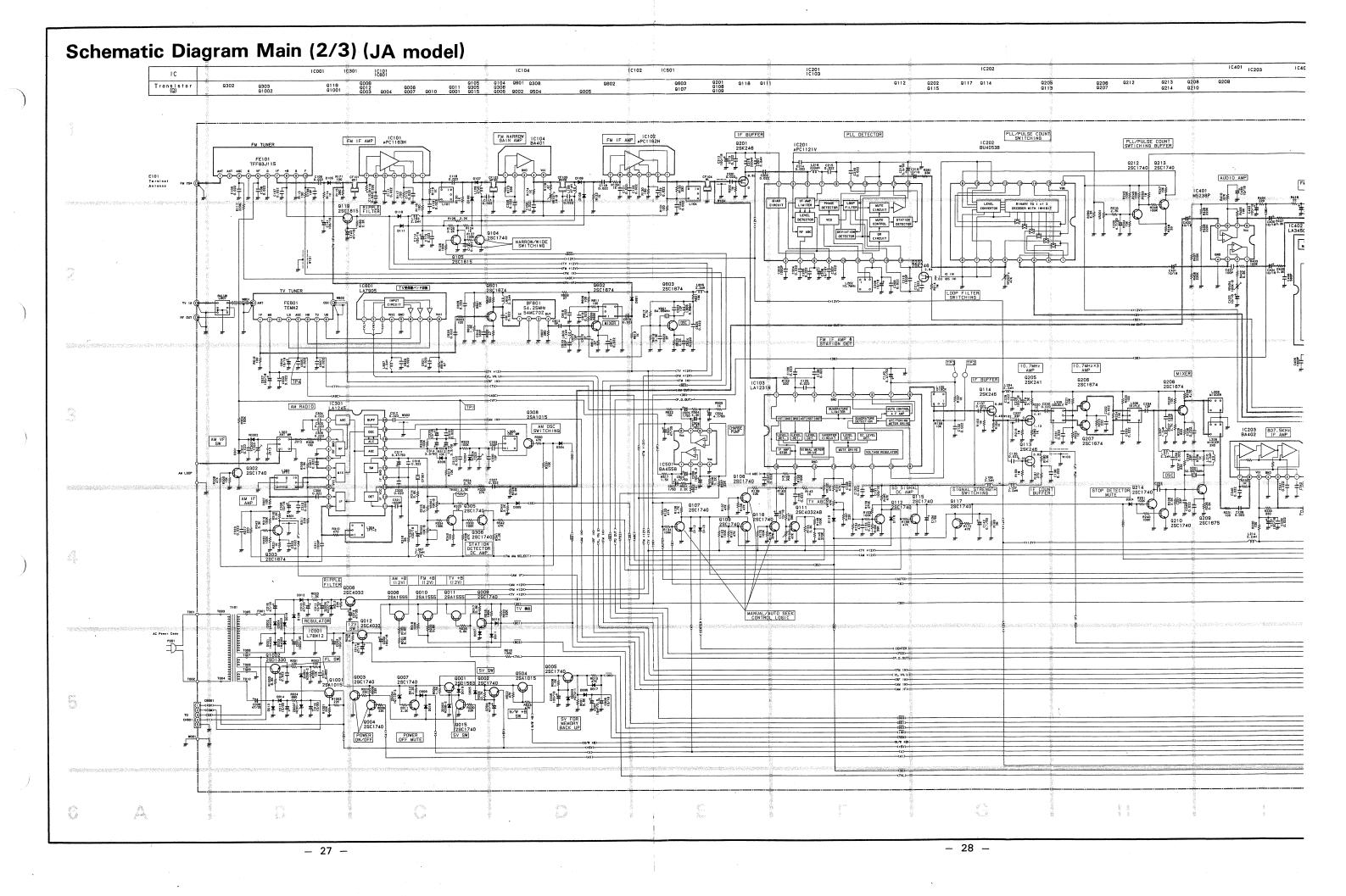
: No Signal
: No Signal
FM 84MHz
AM 1.008KHz (others)
1.000KHz (UZ model only)
TV 2ch

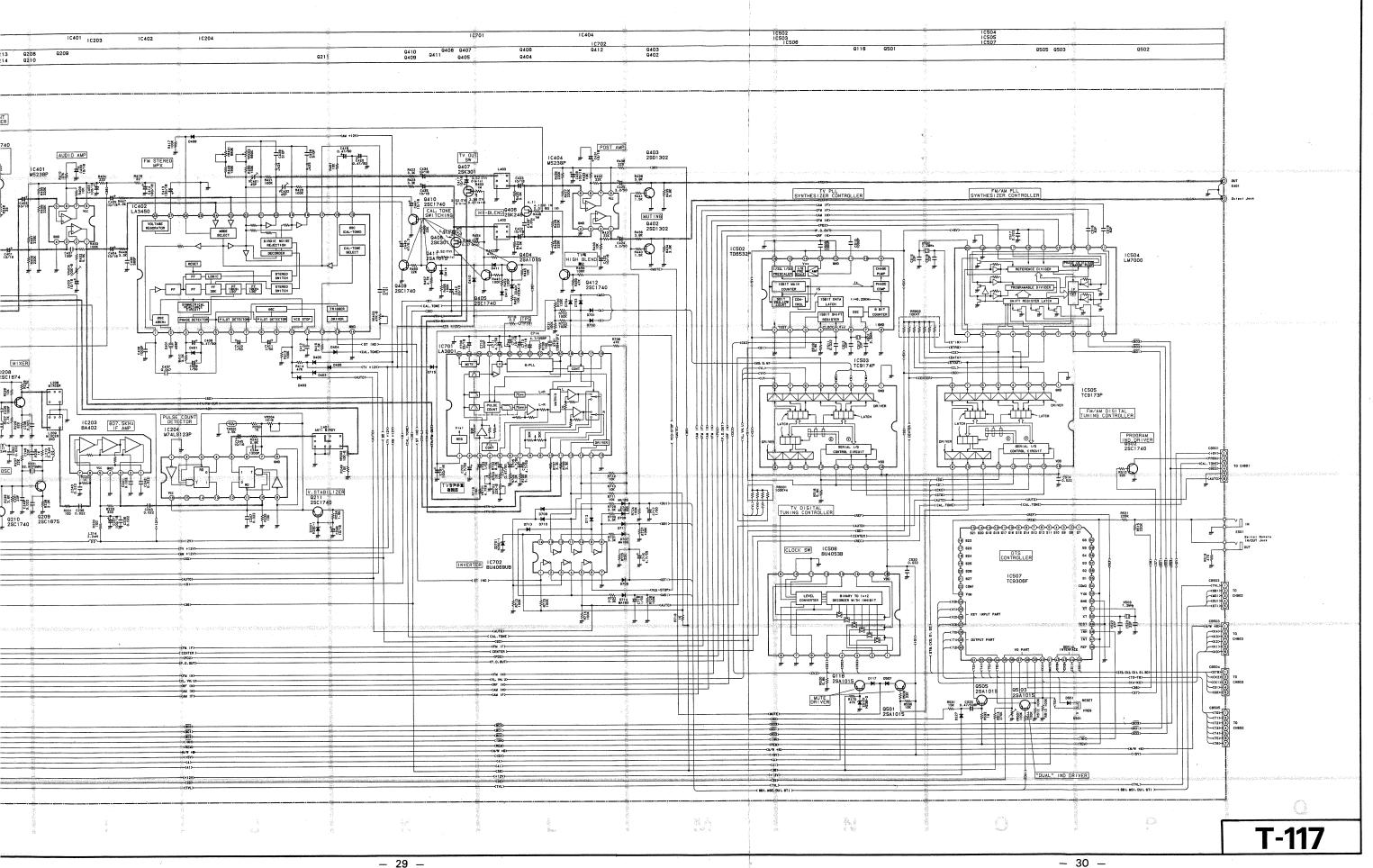
3 0 Input→ 0 dB μ Input (No Signal) 65 Input→65dB μ Input VL→VHF Low (1 ~ 3 cH)

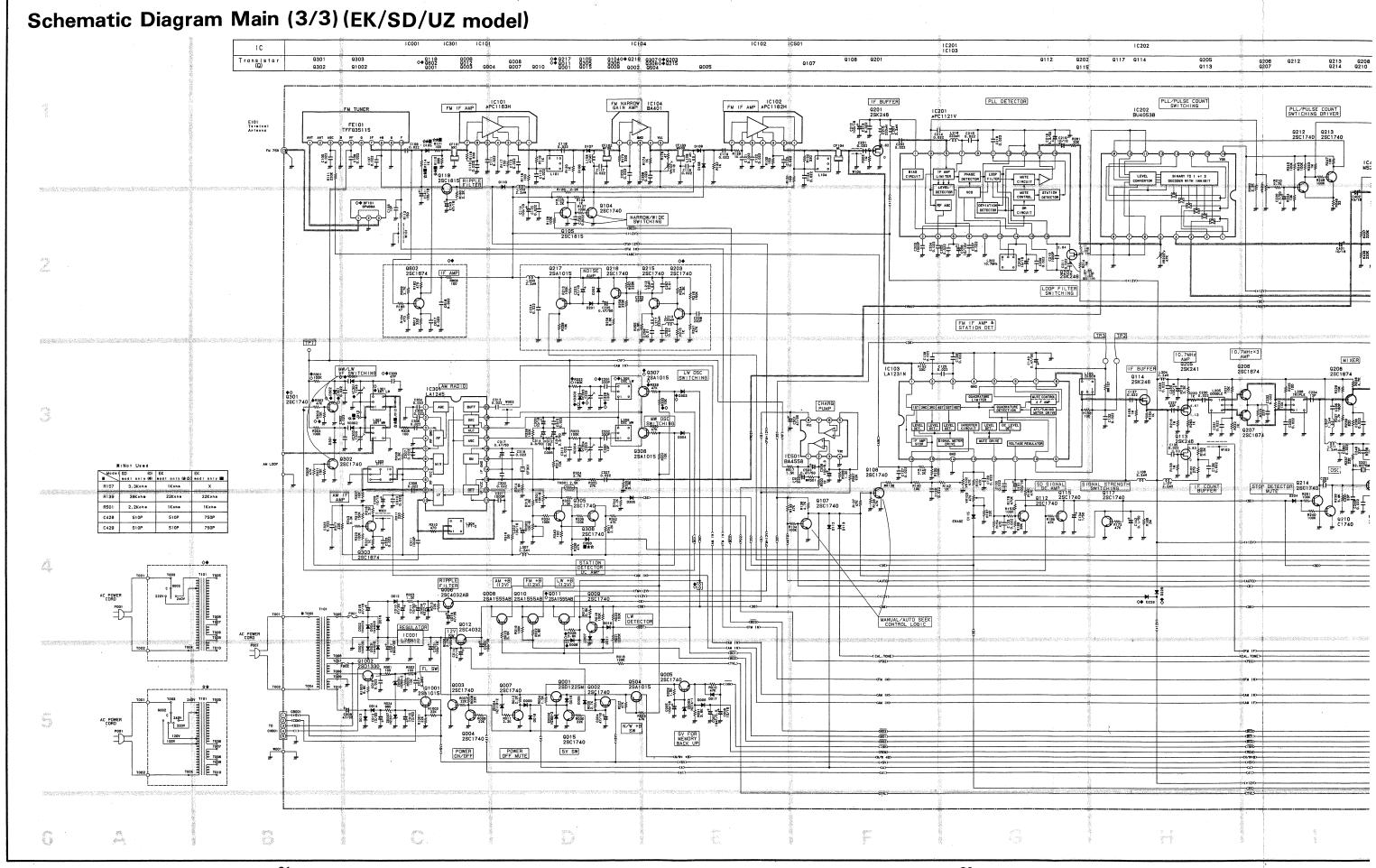
VH→VHF High (4~12cH)
U→UHF (13~62cH)
100 Input→ 100dB μ Input

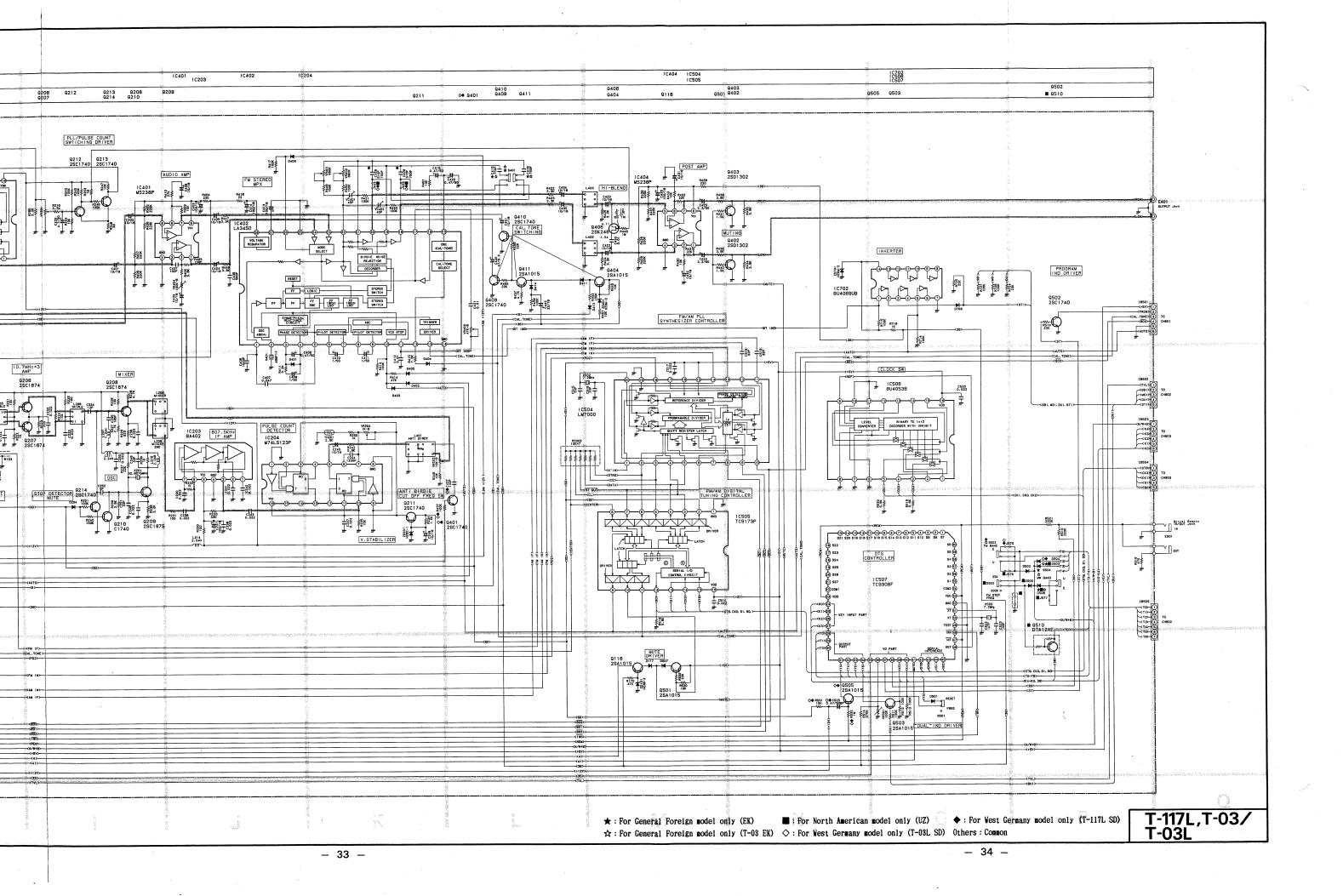
	E	c	В
Q1001	4.17¥	4.18V	3.47V
Q1002	4.377	4.32V	3.68V
Q001	5.21V	12.01V	5.75V
Q002	4.479	5.21V	5.12V
Q003	OY	11.99V	OV
Q004	OY	0.017	0.637
Q005	5.85V	12.02V	6.47V
Q006	26.52V	27.879	27.45V
Q007	OY	0.049	0.679
Q008	10.64V	10.01V (AM) 0.76V(etc.)	9.33V (AM) 10.51V(etc.)
Q009	0.31V	10.35V	0.767
Q018	10.64V	9.83V (FM) OV (etc.)	9.09V (PM) 10.56V(etc.)
Q011	10.64V	9.81V (TV) 0.07V(etc.)	10.56V(etc.) 9.03V (TV) 10.27V(etc.)
Q012	10.63¥	12.02Y	11.99V
Q015	OV	5.75Y	OY
Q104	OY	0.07V (W) 0.97V (N)	0.62V (W) 0.05V (N)
Q105	OY	2.19V (V) 0.05V (N)	0.84V (W) 0.63V (N)
Q167	OV	0.08V(Manual) 3.16V(Auto 0) 0.78V(Auto 65)	0.66V(Manual) 0.31V(Auto)
Q108	OY	0.9Y(Manual) 0Y (Auto 0) 0.9Y(Auto 65)	0.24Y(Manual) 0.62Y(Auto 0) 0.04Y(Auto 85)
Q109	GV	0.08Y(Manual) 3.16Y(Auto 0) 0.78Y(Auto 65)	0.54V (TV) 0.08V(etc.)
Q111	0V	3.85V(TV 65) 7.07V(TV 0) 0.04V(FM/AM)	1.26V(TV 65) 0.36V(etc.)
Q112	OV	0.05V(01nput) 3.57V(85input)	0.6Y (01nput) 0Y(651nput)
Q115	OV	8.84V(01nput) 0.03V(851nput)	0.038V01mput) 0.63V(651mput)
Q118	0.03V(Manual) 2.49V(Auto 0) 0.03V(Auto 65)	0.03V(Manual) 2.42V(Auto 0) 0.03V(Auto 85)	1.76V
Q117	OY	0V (01nput) 2.17V(651sput)	0.62V(01nput) 0.03V(651nput)
Q118	OV	0.01Y	0.62V (TV) 0.02V(etc.)
Q119	8.76Y	9.87V	9.49V
Q208	1.27V	4.82V	1.917
Q206	0.18Y	8.81V	0.85V
Q207	0.18V	8.81V	0.85Y
Q208	0V (01nput) 1.18V(651nput)	8.89V(01nput) 2.06V(651nput)	0.06Y(01nput) 1.83Y(651nput)
Q209	OV (Olnput) 0.57V(65input)	8.89V	0.04V(01nput) 1.17V(651nput)

	E	C 0.06V(0 nput)	B 0.61V(Oinput)
Q210	θV	1.17V(651 nput)	0.16V(651 nput)
Q211	5:28V	8.86V	5.97V
Q212	0.03V(Olnput) OV(65Input)	4.47V(0 nput) 0.01V(65 nput)	0.43V(01nput) 0.61V(651nput)
0213	0.03V(01nput)	0.08V(0 nput)	0.65V(0input) 0.01V(65input)
	OV (65Input)	8.87V(65input) 0:04V(0input)	0.61V(Olnput)
Q214		1.83V(65!nput)	0.16V(65 nput)
Q215	4.21V	8.87V	4.82V
Q218	3.56V	8.89V	4.117
Q217 `	8.89V	8.84V	8.24V
Q301	ov	0.01V (NW) 1.26V~ 5.91V(LW)	0.84V (NW) 0.34V (LW)
Q302	ov	1.17V~ 8.74V(MW) 0.01V(LW)	0.02V (NW) 0.64V (LW)
Q303	1.76V	5.72V	2.52V
Q305	0.45V (01nput)	7.04V (Olnput) 0.07V(100lnput)	0.02V (01nput) 0.64V(1001nput
Q306	0.45V (01 nput)	0.56V (Olaput)	1.14V (0input)
-	5.63V	9.84V(1001nput) 5.59V	8.28V(NV)
Q307			4.97V(LW) 4.98V(NW)
Q308	5.63V	5.59V	8.32V(LW)
Q401	OV	OV	0.51V 0.68V(Nute)
Q402	OV	OV	OV (etc.)
Q403	OV	OV	0.68V(Mute) 0V 0
Q404	10.61V	9.54V(Cal) 0.03V(etc.)	9.93V(Cal) 10.67V(etc.)
Q405	OV	9.27V (TV) 0.01V (Cal) 0.09V(etc.)	0.62V (Cal 0.03V(etc.
Q409	OY	OV	0.67V (TV) 0V (etc.
Q410	OV	OV	0V (etc.) 0.67V (TV) 0V (etc.)
Q411	9.11V (TV)	9.1V (TV)	8.37V (TV)
	0.05V(etc.)	0V (etc.) 0.01V(DUAL)	OV (etc. 0.82V(DUAL
Q412	OV	4.23V(etc.)	0.21V(etc.
Q501	5.19V	0.277	4.67
Q502	OY	3.2V	OV
Q503	5.01V	5.08V	4.517
Q504	4.41V	4.14V(FM/TV) 0.02V(etc.)	8.54V(PM/TV) 7.04V(etc.)
Q601	0.497	9.57	1.26V
Q602 (SD model only)	0.517	7.76V	1.25V
Q802 (JA model	0.02V	9.587	0.767
only)			



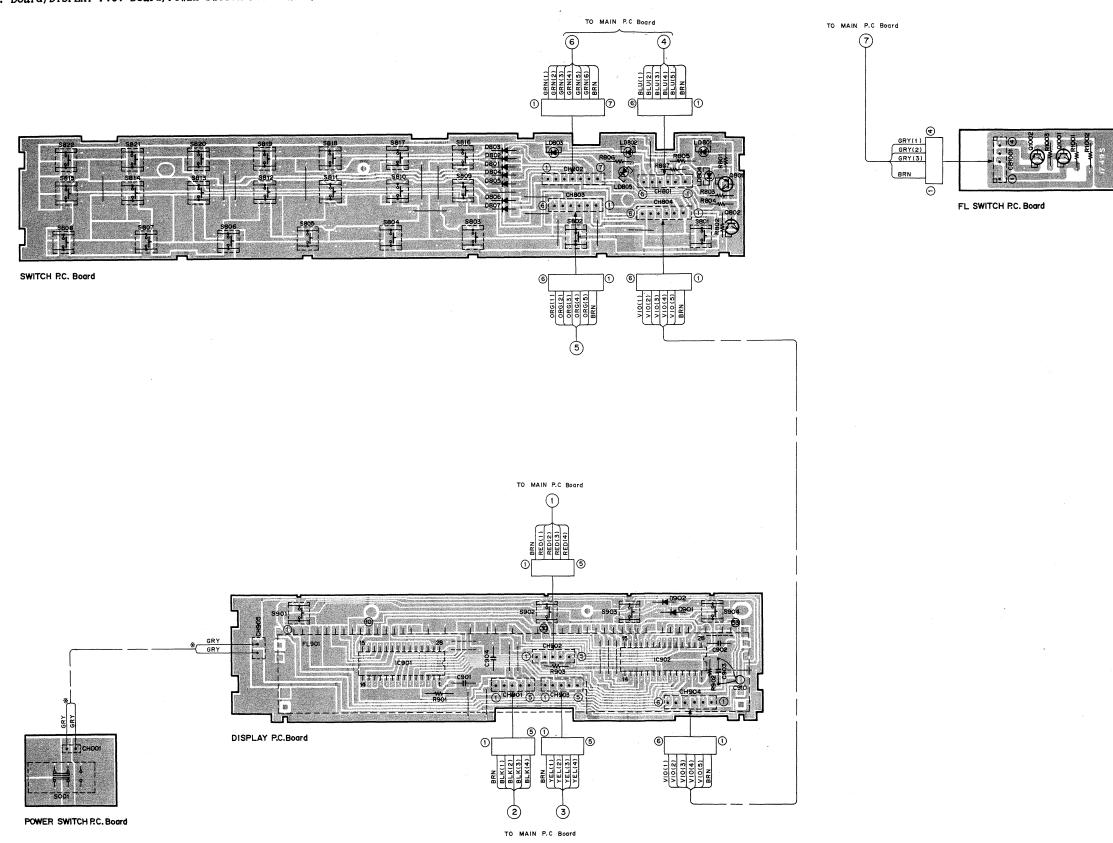




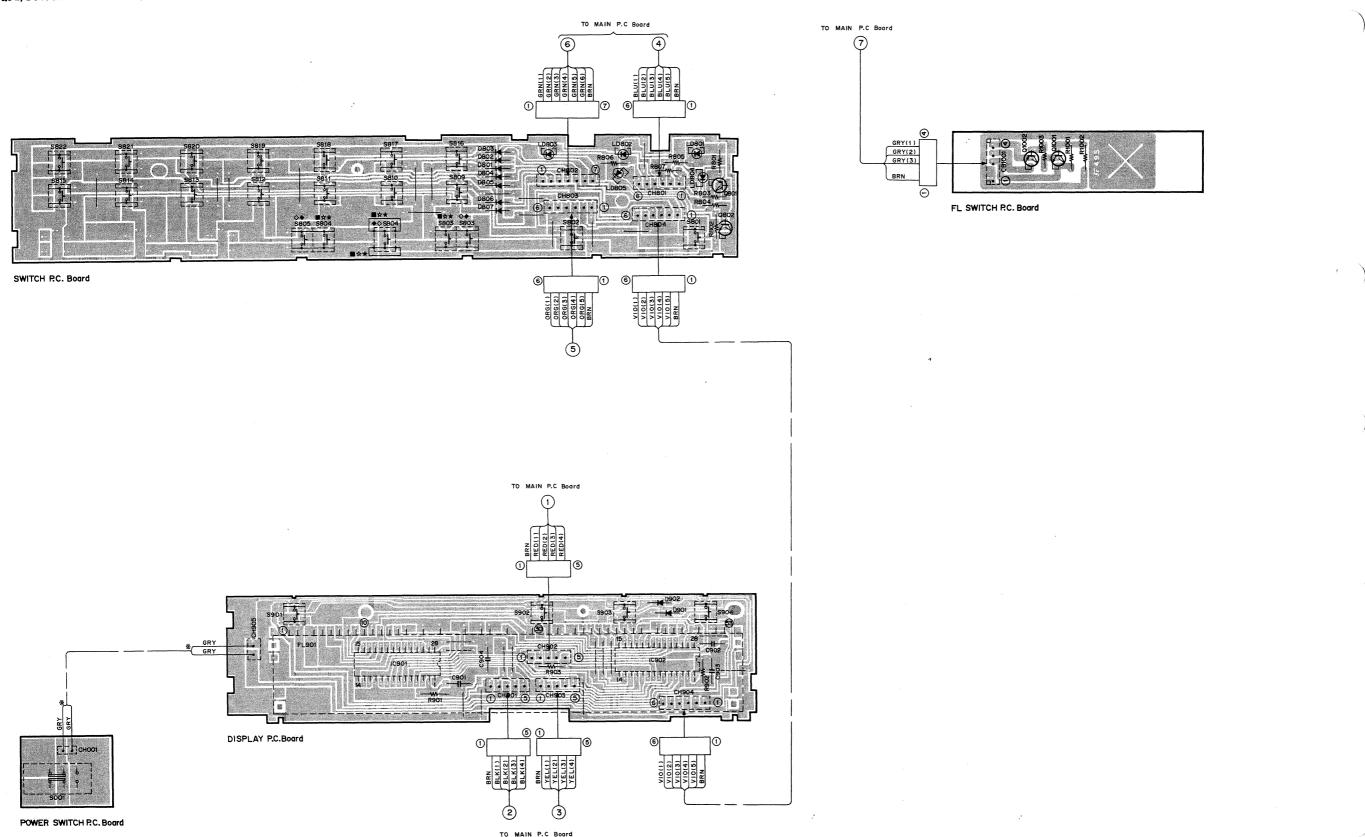


Parts Lagout on P.C. Boards and Wiring Diagram

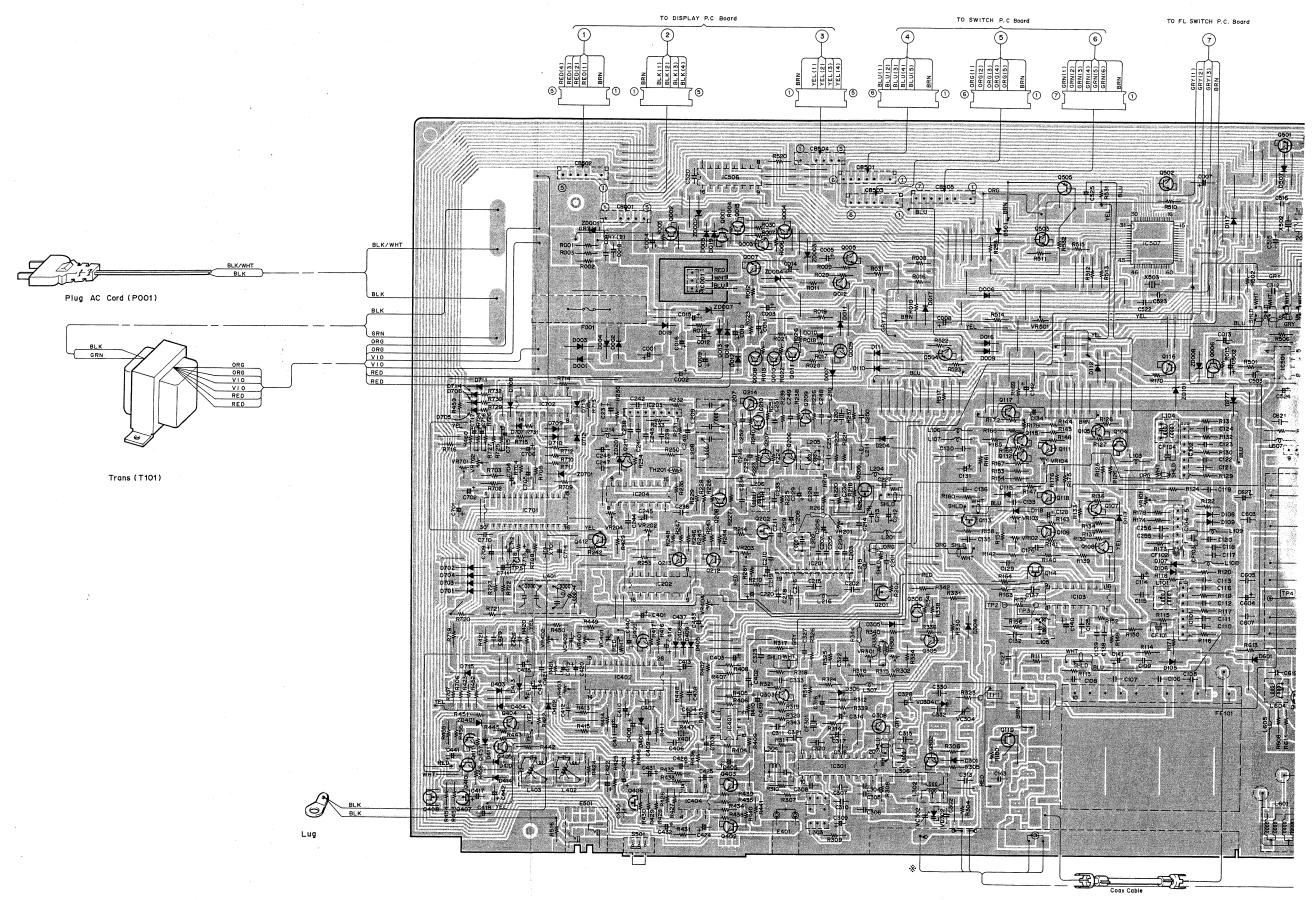
SWITCH P.C. Board/DISPLAY P.C. Board/POWER SWITCH P.C.Board /FL SWITCH P.C.Board (JA Model only)

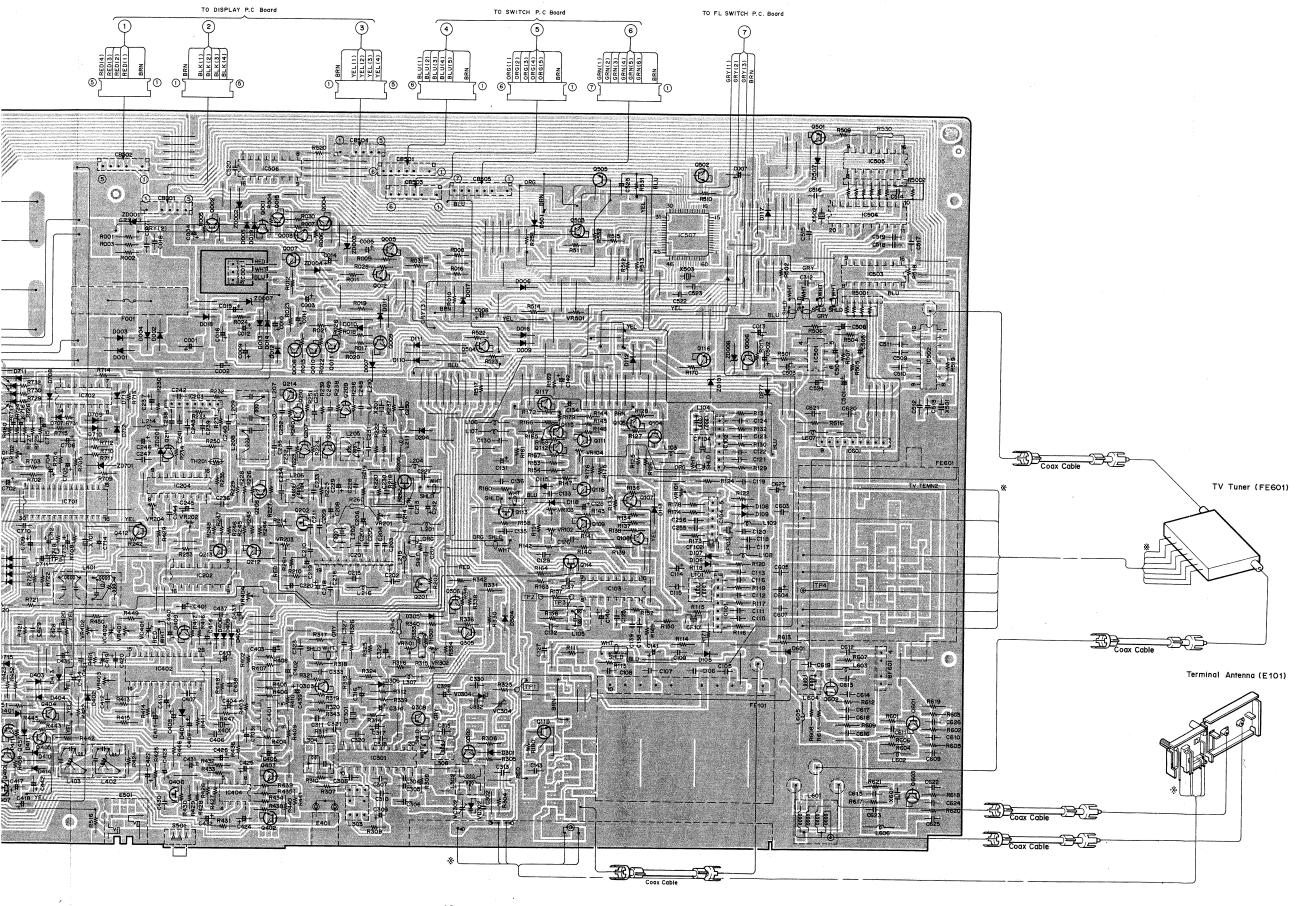


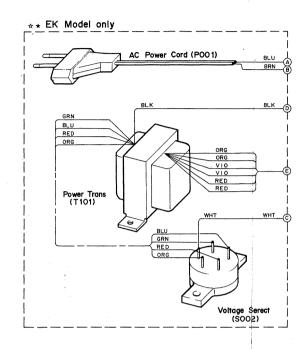
SWITCH P.C. Board/DISPLAY P.C. Board/POWER SWITCH P.C.Board /FL SWITCH P.C.Board (EK/SD/UZ Model only)

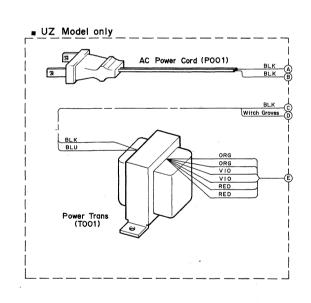


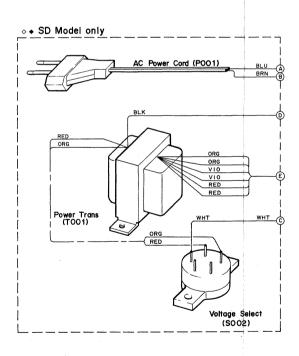
MAIN P.C. Board (JA Model only)

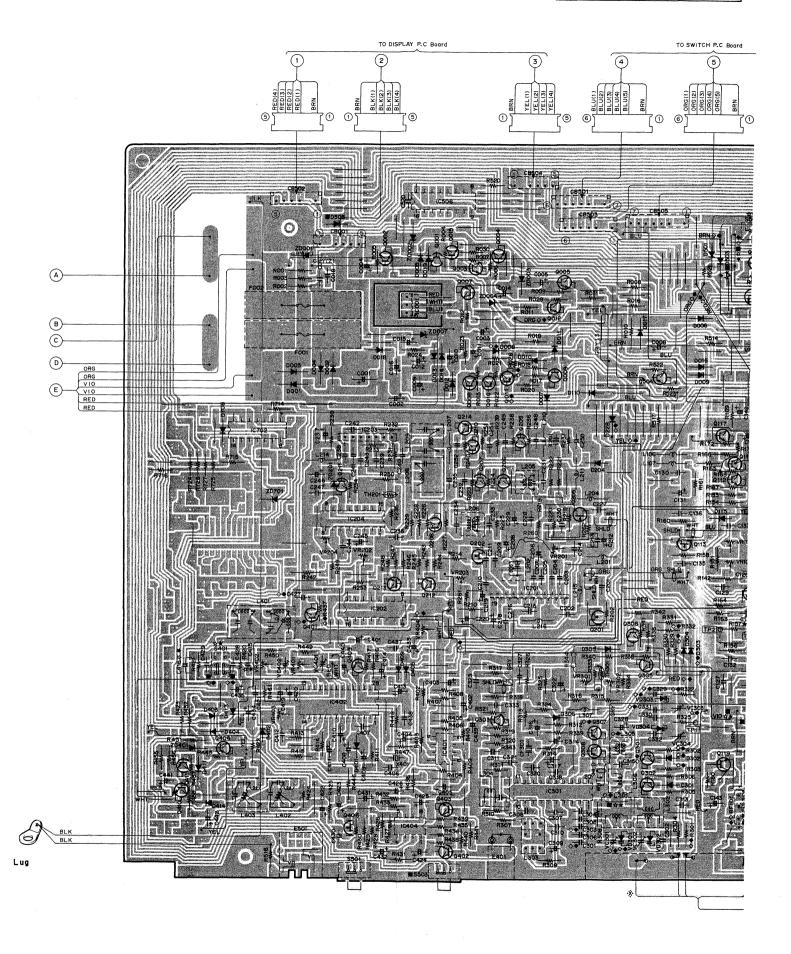


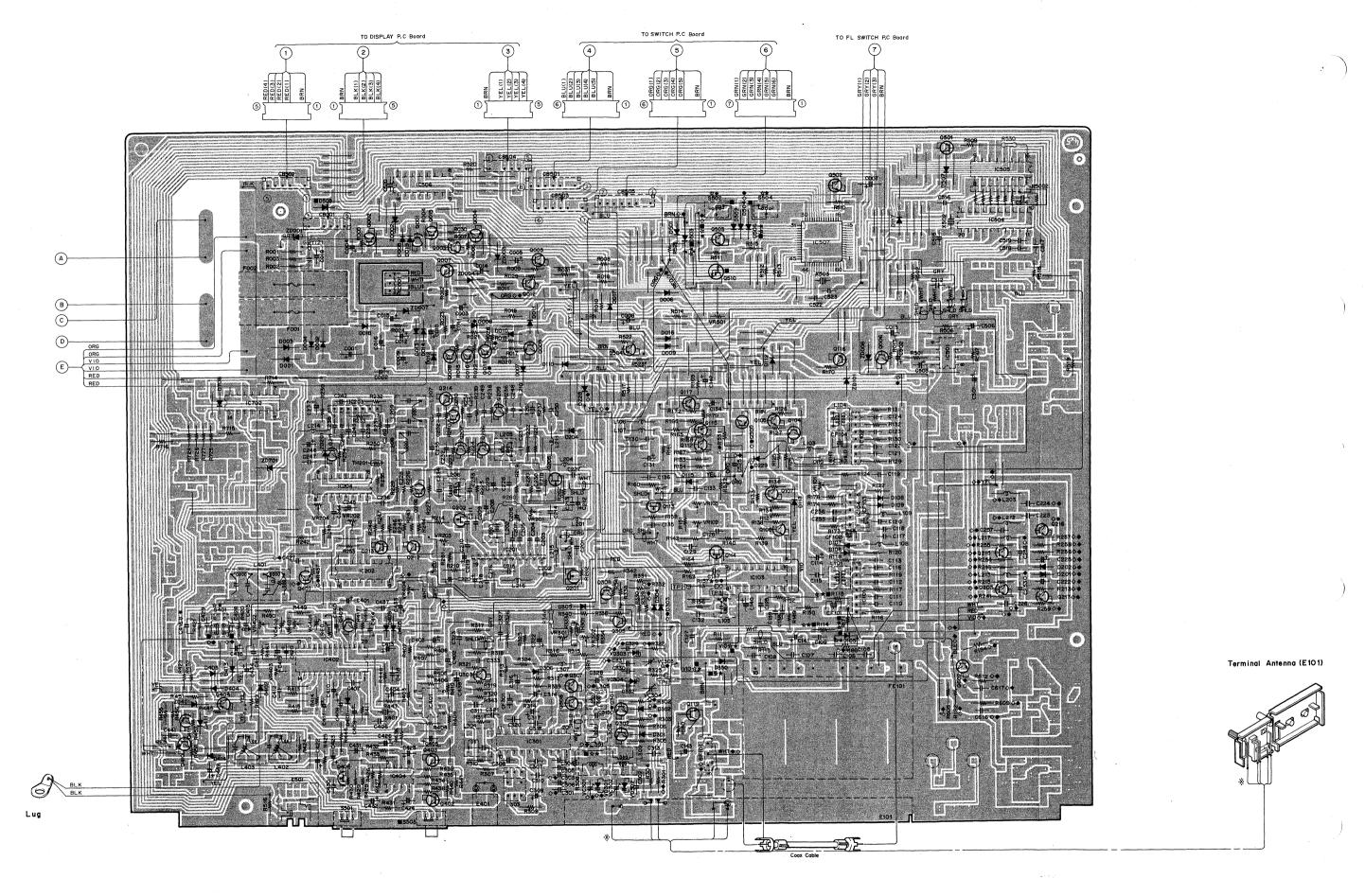












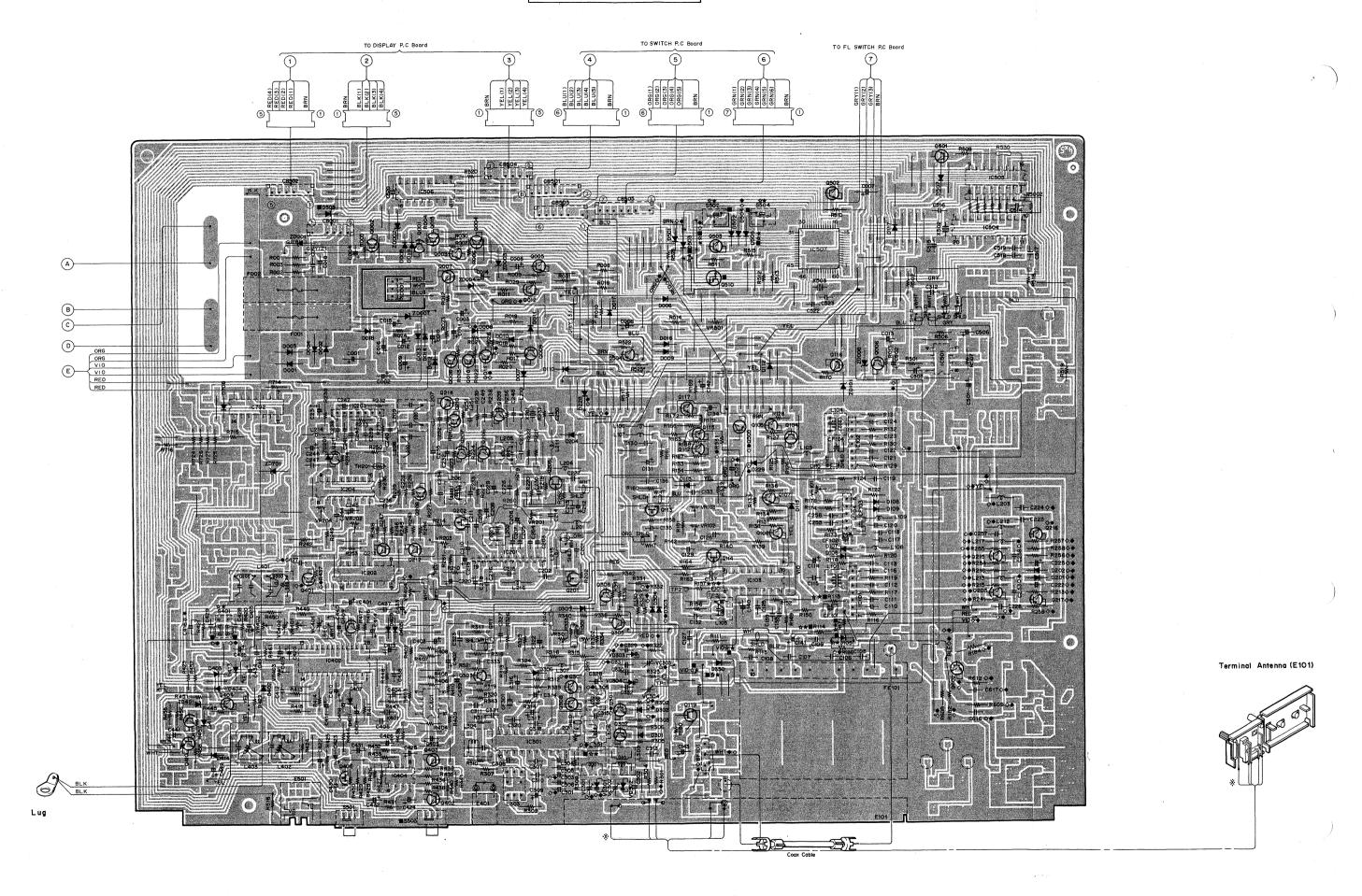
- 44 -

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ige Serect (SOO2)

P

ige Select SOO2)



– 44 –

ige Select SOO2)

Electrical Parts List

Resistor: Carbon resistors undor 1/4 watts are not mentioned in the parts list. please confirm them by schematic diagram. μF-microfarads, pF-picofarads

							malerolarads,	pr-preorarads		
			Abbreviations		1	Symbol No.	Part No.	Description]
		RES.=Resistor	PP.=Polypropylene		<u> </u>	Q004	48T81103F01	2SC1740		\neg
						or	48T81101F01	2SC1815		
1		CERCeramic	MYL.=Mylar ELY.=Electrolytic		1	Q005	48T81103F01	2SC1740		
		CAP. =Capcitor				1 '	48T81101F01	2SC1815		- 1
		TRTransist	oR POLY.=Polystrol			or	1	i	-	
<u> </u>					1	Q006	48T82761F01	2SC4032AB	ľ	
s	ymbol	Part No.	Description.				10m01100D01	0001740	-	-
	No.					Q007	48T81103F01	2SC1740	1	
		×	ain P.C. Board			or	48T81101F01	2SC1815		
		•				Q008	48T82910F01	2SA1555AB		
I	C's				1	Q009	48T81103F01	2SC1740		
	1C001	51T56583F07	L78N12			or	48T81101F01	2SC1815		
	1C101	51T84601F01	μPC1163H			1				
1	IC102	51T84601F01	μPC1163H			Q010	48T82910F01	2SA1555AB		
1	1C103	51T50855F01	LA1231N		•	Q011	48T82910F01	2SA1555AB		
	IC104	51T72216F01	BA401	-	•	Q011	48T82910F01	2SA1555AB		
	1				\$	Q011	48T82910F01	2SA1555AB		
	1C201	51T84606F01	μPC1211V			Q012	48T82761F01	2SC4032AB		ı
	1C202	51T69181F01	BU4053B	1	П					1
	1C203	51T62863F01	BA402		H	Q015	48T81103F01	2SC1740		i
	1C204	51T56534F01	M74LS123P			or	48T81101F01	2SC1815		
	1C301	51T53323F01	LA1245		П	Q104	48T81103F01	2SC1740		
ļ	10001	01100020171	[Q105	48T81103F01	2SC1740	•	
1	1C401	51T80136F01	M5238P			Q107	48T81103F01	2SC1740		
	1C402	51T84610F01	LA3450							
1	1C404	51T80136F01	M5238P			Q108	48T81103F01	2SC1740		
		51T65380F01	BA4558		╽╽●	Q109	48T81103F01	2SC1740		1
	IC501		TD6352P		•	or	48T81101F01	2SC1815		
•	1C502	51T84659F01	100302F			Q111	48T82761F01	2SC4032AB		
1		54m0 405m001	700174D			Q112	48T81103F01	2SC1740		ļ
•	1C503	51T84657F01	TC9174P		П	1	48T81101F01	2SC1815		ĺ
1	1C504	51T84660F01	LM7000		Н	or	40101101101	2501010		
	1C505	51T84658F01	TC9173P			10110	48T66948F01	FET: 2SK246		
1	1C506	51T69181F01	BU4053B			Q113		FET. 2SK246		
1	10507	51T92066F01	TC9306F		Ш	Q114	48T66948F01	2SC1740		
1						Q115	48T81103F01	1		
•	10601	51T84594F01	LA7905		Н	or	48T81101F01	2SC1815		
•	IC701	51T84611F01	LA3801			Q116	48T81102F01	2SA1015		
	1C702	51T68998F01	BU4069UB		Ш	or	48T81104F01	2SA933A		
	ŀ					0.45	40001100001	0001740		
-			· .		Ш	Q117	48T81103F01	2SC1740		1
					H_{L}	or	48T81101F01	2SC1815		
					•	Q118	48T81103F01	2SC1740		
	Transist	ors			∤ ●	or	48T81101F01	2SC1815		
•	Q001	48T90204F03	2SD1563			Q119	48T81101F01	2SC1815		}
	Q001	48T63085F01	2SD1225M						-	
*	Q001	48T63085F01	2SD1225M			Q201	48T66948F01	FET, 2SK246		
•	Q001	48T63085F01	2SD1225M			Q202	48T86948F01	FET, 2SK246		
0	Q001	48T63085F01	2SD1225M			1 "	48T81103F01	2SC1740		
					≎	1	48T81101F01	2SC1815		
12	Q001	48T63085F01	2SD1225M		◆	Q203	48T81103F01	2SC1740		
	Q002	48T81103F01	2SC1740		•	or	48T81101F01	2SC1815		
	or	48T81101F01	2SC1815							
-	Q003	48T81103F01	2SC1740			Q205	48T63926F03	2SK241		
-	or	48T81101F01	2SC1815			Q206	48S40732P02	2SC1674		
	1					Q207	48S40732P02	2SC1674		
						Q208	48S40732P02	2SC1674		
						Q209	48S44580J03	2SC1675		
- 1	1	1				1				

Note: ●: For Japanese model only (JA)

: For North American model only (UZ)

★: For General Foreign model only (EK)

lackloss: For West Germany model only (T-117L SD)

☆: For General Foreign model only (T-03 EK) ◇: For West Germany model only (T-03L SD) Others: Common

○ or 48781101F01 2SC1740 Q411 48781102F01 2SA333A ○ Q215 48781103F01 2SC1740 Q412 48781103F01 2SC1740 ○ Q216 48781103F01 2SC1740 Or 48781103F01 2SC1815 ○ Q216 48781103F01 2SC1740 Or 48781103F01 2SC1815 ○ Q216 48781103F01 2SC1740 Or 48781103F01 2SA333A ○ Q217 48781102F01 2SA1015 Or 48781103F01 2SC1740 ○ Q17 48781102F01 2SA1015 Or 48781103F01 2SC1740 ○ Q17 48781102F01 2SA1015 Or 48781103F01 2SC1815 ○ Q17 48781103F01 2SA1015 Or 48781103F01 2SC1815 ○ Q301 48781103F01 2SC1815 Or 48781103F01 2SC1815 ○ Q301 48781103F01 2SC1815 Or 48781103F01 2SA1015 ○ Q301 48781103F01 2SC1815 Or 48781103F01 2SA1015		scription	Description	Part No.	/mbol No.	S
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Q212 43781108P01 2821815 Q405 43781108P01 2821815 Q405 43781108P01 2821815 Q406 43781101P01 2821815 Q407 43781101P01 2821815 Q407 43781101P01 2821815 Q408 43782122P02 PET. 282801 Q409 43781101P01 2821815 Q409 43781108P01 2821815 Q409 4378108P01 2821815 Q409 4378108P01 2821815 Q409 4378108P01 282181			2SA933A	48T81104F01	or	
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○ Q215 487811018P01 2821815 Q410 487811018P01 2821740 ○ Q215 487811018P01 2821815 Q410 487811018P01 2821815 ○ Q215 487811018P01 2821815 Q411 48781101P01 2821815 ○ Q216 48781101P01 2821815 Q412 48781101P01 2821740 ○ Q216 48781101P01 2821815 Q412 48781101P01 2821815 ○ Q216 48781101P01 2821815 Q502 48781101P01 2821815 ○ Q216 48781101P01 2821815 Q502 48781101P01 2821815 ○ Q217 48781101P01 2821815 Q502 48781101P01 2821815 ○ Q217 48781104P01 283938A Q503 48781104P01 283938A ○ Q301 48781104P01 2831015 Q504 48781104P01 283938A ○ Q301 48781104P01 2831015 Q505 48781104P01 283938A ○ Q301 48781104P01 2831015 Q505 48781104P01 <td></td> <td>·L</td> <td>1</td> <td>1</td> <td>-</td> <td>•</td>		·L	1	1	-	•
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○ or 48781101P01 282154 48781103P01 2821740 0 48781103P01 2821815 0 48781103P01 2821815 0 0 0 48781103P01 2821815 0 0 48781103P01 2821815 0 0 0 48781103P01 2821815 0 0 48781103P01 2821815 0 0 0 48781103P01 2821815 0 0 0 0 0 48781103P01 2821815 0 </td <td></td> <td>1</td> <td></td> <td>48T81103F01</td> <td>Q410</td> <td></td>		1		48T81103F01	Q410	
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◆ Q307 48T81102F01 / or 48T81104F01 2SA933A Diodes ◆ Q307 48T81102F01 / Q308 /			2SC1675	48S44580J03	Q603	•
♦ Or 48T81104F01 2SA933A Diodes ♦ Q307 48T81104F01 2SA933A D001 48S40477U01 IN4003 Q308 48T81102F01 2SA933A D002 48S40477U01 IN4003 Or 48T81104F01 2SA933A D003 48S40477U01 IN4003 D004 48T81103F01 2SC1740 D004 48S40477U01 IN4003 D004 48T81103F01 2SC1815 D005 48T44813F01 MA165TA Or 48T81101F01 2SC1815 D006 48T44813F01 MA165TA Or 48T81101F01 2SC1815 D007 48T44813F01 MA165TA Or 48T57305F01 2SD1302 D008 48T44813F01 MA165TA	- 1					
♦ Or 48T81104F01 2SA933A Diodes ♦ Q307 48T81104F01 2SA933A D001 48S40477U01 IN4003 Q308 48T81102F01 2SA933A D002 48S40477U01 IN4003 Or 48T81104F01 2SA933A D003 48S40477U01 IN4003 D004 48T81103F01 2SC1740 D004 48S40477U01 IN4003 D004 48T81103F01 2SC1815 D005 48T44813F01 MA165TA Or 48T81101F01 2SC1815 D006 48T44813F01 MA165TA Or 48T81101F01 2SC1815 D007 48T44813F01 MA165TA Or 48T57305F01 2SD1302 D008 48T44813F01 MA165TA				į		
♦ Or 48T81104F01 2SA933A Diodes ♦ Q307 48T81104F01 2SA933A D001 48S40477U01 IN4003 Q308 48T81102F01 2SA933A D002 48S40477U01 IN4003 Or 48T81104F01 2SA933A D003 48S40477U01 IN4003 D004 48S40477U01 IN4003 D004 48S40477U01 IN4003 D004 48S40477U01 IN4003 D005 48T44813F01 MA165TA Or 48T81103F01 2SC1740 D006 48T44813F01 MA165TA Or 48T81101F01 2SC1815 D007 48T44813F01 MA165TA Q402 48T57305F01 2SD1302 D008 48T44813F01 MA165TA						
Q307 48T81102F01 2SA1015 Diodes Q308 48T81104F01 2SA933A D001 48S40477U01 IN4003 Q308 48T81104F01 2SA933A D002 48S40477U01 IN4003 D003 48S40477U01 IN4003 D004 48S40477U01 IN4003 D005 48T44813F01 MA165TA Q401 48T81103F01 2SC1740 Q401 48T81103F01 2SC1740 Q402 48T81101F01 2SC1815 Q402 48T57305F01 2SD1302			<u> </u>			L
Or 48T81104F01 2SA933A D001 48S40477U01 1N4003 Q308 48T81102F01 2SA1015 D002 48S40477U01 1N4003 D003 48S40477U01 1N4003 D004 48S40477U01 1N4003 D004 48T81103F01 2SC1740 D005 48T44813F01 MA165TA Or 48T81103F01 2SC1740 D006 48T44813F01 MA165TA Or 48T81101F01 2SC1815 D007 48T44813F01 MA165TA Q402 48T57305F01 2SD1302 D008 48T44813F01 MA165TA					iodes	
Q308 or 48T81102F01 or 2SA1015 2SA933A D002 48S40477U01 1N4003 1N4003 1N4003 ◆ Q401 48T81103F01 or 2SC1740 2SC1815 2SC1815 2SC1740 2SC1815 1N4003 2SC1740 2SC1815 2SC1740 2SC1815 2SC18	T		IN4003	48S40477U01		
or 48T81104F01 2SA933A D003 48S40477U01 1N4003 ↓ Q401 48T81103F01 2SC1740 D005 48T44813F01 MA165TA ↓ Q401 48T81101F01 2SC1740 D006 48T44813F01 MA165TA ↓ Or 48T81101F01 2SC1815 D007 48T44813F01 MA165TA ↓ Q402 48T57305F01 2SD1302 D008 48T44813F01 MA165TA	-				l	
Q401 48T81103F01 or 48T81103F01 or 48T81101F01 or 48T81101F01 Q402 2SC1740 or 48T81101F01 at 3501 cor 48T8110F01 at 3501 cor 48T8110F			1	1	1	1
◆ Q401 or or Q401 Q48781103F01 or Q402 48781101F01 A8757305F01 2SC1740 2SC1815 Or Q402 D006 A8744813F01 D006 A8744813F01 D007 A8744813F01 D007 A8744813F01 D007 A8744813F01 D008 A8744813F01 D008 A8744813F01 MA165TA MA165TA MA165TA MA165TA			1	1	1	
♦ Or Q401 48781101F01 48781103F01 Q402 28C1815 28C1740 D006 48744813F01 D007 48744813F01 MA165TA ♦ Or Q402 48757305F01 28D1302 D008 48744813F01 MA165TA			i		1	
♦ Q401 48T81103F01 2SC1740 D006 48T44813F01 MA165TA ♦ Q402 48T57305F01 2SC1815 D008 48T44813F01 MA165TA ♦ D008 48T44813F01 MA165TA ♦ D008 48T44813F01 MA165TA MA165TA MA165TA			Fallooin	40144010101	נטטט	
◇ or Q402 48T81101F01 48T57305F01 2SC1815 2SD1302 D007 48T44813F01 MA165TA MA165TA MA165TA ♦ D008 48T44813F01 MA165TA MA165TA		1	MATCETA	40744040704	DOOG	
Q402 48T57305F01 2SD1302			1	T .	1	
			1	ł.	i	١.
			1	E .	1	•
			1		D008	\$
			MA165TA	48T44813F01	D009	

Note: ●: For Japanese model only (JA)

: For North American model only (UZ)

★: For General Foreign model only (EK)

◆: For West Germany model only (T-117L SD)

☆: For General Foreign model only (T-03 EK) ◇: For West Germany model only (T-03L SD) Others: Common

_	No.	Part No.	Description			L'	No.	Part No.	Description		
T	D010	48T44813F01	MA165TA				D402	48T44813F01	MA165TA		T
Ì	D011	48T44813F01	MA165TA		1		D403	48T44813F01	MA165TA	1	1
,	D012	48T44813F01	MA165TA				D404	48T44813F01	MA165TA]	
- 1	D013	48T44813F01	MA165TA			1	D405	48T44813F01	MA165TA		
- 1	D014	48T44813F01	MA165TA			•	D406	48T44813F01	MA165TA	1	
						1					
- 1	D018	48T44813F01	MA165TA)			D409	48T44813F01	MA165TA		
- 1	D017	48T44813F01	MA165TA			•	D410	48T44813F01	MA165TA		
-	D018	48T44813F01	MA165TA			1	D411	48T44813F01	MA165TA	}	
-	D019	48T44813F01	MA165TA			1	D413	48T44813F01	MA165TA		
1	D105	48T44813F01	MA165TA				D414	48T44813F01	MA165TA		
.	D105	48T44813F01	MA165TA				D501	48T44813F01	MA165TA		
- 1	D105	48T44813F01	MA165TA				D502	48T44813F01	MA165TA		
	D105	48T44813F01	MA165TA			 ★	D502	48T44813F01	MA165TA	1	1
- 1	D106	48T44813F01	MA165TA			•	D502	48T44813F01	MA165TA		
	D107	48T44813F01	MA165TA			0	D502	48T44813F01	MA165TA		
	וטוע	40144010101	MAIOUIN			`	D302	46144615701	MAIOSIA		
	D108	48T44813F01	MA165TA			☆	D502	48T44813F01	MA165TA		
	D109	48T44813F01	MA165TA				D503	48T44813F01	MA165TA	1	
.	D110	48T44813F01	MA165TA		1	*	D503	48T44813F01	MA165TA		1
	D111	48T44813F01	MA165TA]	☆	D503	48T44813F01	MA165TA		
	D112	48T44813F01	MA165TA			•	D504	48T44813F01	MA165TA		
	D113	48T44813F01	MA165TA			\	D504	48T44813F01	MA165TA		
- [D115	48T44813F01	MA165TA		1 1		D505	48T44813F01	MA165TA		
- 1	D117	48T44813F01	MA165TA				D506	48T44813F01	MA165TA	1	1
- 1	D118	48T44813F01	MA165TA		[[*	D506	48T44813F01	MA165TA	1 .	1
- 1	D201	48T44813F01	MA165TA			1	D506	48T44813F01	MA165TA		
>	D001	48T44813F01	MA165TA			1	D507	48T44813F01	MA165TA		ļ
- 1	D201		1		1		1			1.	
- 1	D202	48T44813F01	MA185TA		ii		D801	48T44813F01	MA165TA	- [-
>	D202	48T44813F01	MA165TA			•	D701	48T44813F01	MA165TA	1	İ
	D204	48T44813F01	MA165TA			•	D702	48T44813F01	MA165TA	1	Ì
	D227	48T44813F01	MA165TA			•	D703	48T44813F01	MA165TA		
•	D228	48T44813F01	MA165TA			•	D704	48T44813F01	MA165TA		
ا د	D228	48T44813F01	MA165TA				D705	48T44813F02	MA165	-	1
	D229	48T44813F02	MA165		1 1		D706	48T44813F02	MA165		-
>	D229	48T44813F02	MA165				D707	48T44813F02	MA165	ļ	1
	D301	48T44813F01	MA165TA				D708	48T44813F01	MA165TA		
	nenn	A0TAA010D01	MA165TA				D700	40744010001	WATCETA		
- 1	D302	48T44813F01	ł .				D709	48T44813F01	MA165TA		
	D302	48T44813F01	MA165TA				D710	48T44813F01	MA165TA		
- 1	D303	48T44813F01	MA185TA				D711	48T44813F01	MA165TA		
>	D303	48T44813F01	MA165TA			•	D712	48T44813F01	MA165TA		
	D304	48T44813F01	MA165TA			•	D713	48T44813F01	MA165TA		
	D305	48T44813F01	MA165TA			•	D714	48T44813F02	MA165		
- }	D306	48T44813F01	MA165TA			•	D715	48T44813F01	MA165TA		
- 1	D350	48T44813F02	MA185				ZD001	48T52739F38	Zener HZ6B-2		
ł	D350	48T44813F02	MA165	1 1		1	ZD002	48T52739F38	Zener HZ6B-2		
- 1	D401	48T44813F01	MA165TA				ZD003	48T52739F43	Zener HZ7A-1		
- 1		1	1	1 1	- 1	1					1

Note: ●: For Japanese model only (JA)

: For North American model only (UZ)

^{★:} For General Foreign model only (EK)

^{◆:} For West Germany model only (T-117L SD)

 $^{\ \ \, \}dot{\alpha}: For \ \, General \ \, Foreign \ \, model \ \, only \ \, (T-03L \ SD) \quad \, Others: Common$

			<u></u>						·	1 1
S	/mbol	Part No.	Description				Symbol No.	Part No.	Description	.]
Т	No. ZD004	48T52739F65	Zener HZ11B-2			-		eramic Locks		
	ZD004 ZD007	48T52739F97	Zener HZ30-1			\vdash	X201	48T84608F02	NDK 32.9075MHZ	T T
	ZD007	48T52739F95	Zener HZ27-2				X501	48T84664F01	3.2M NDK	
	ZD101	48T52739F11	Zener HZ3B-2		i		X502	48T84663F01	7.2M NDK	
		1	Zener HZ6C-1	1			X503	48T84663F01	7.2M NDK	
	ZD201	48T52739F40	Zeller nzoc-1				X601	48T84595F01	NDK 64.95MHZ	
	77D 4 O 1	48T52739F53	Zener HZ9A-2				7001	40104000101	NDR 04.50mil	
	ZD401		Zener HZ6C-1			1	X401	91T68469F03	Ceramic Lock 456F11	
-	ZD701	48T52739F40		•			X701	!	Ceramic Lock CSB472F2	
	ZD701	48T52739F35	Zener HZ6A-2				YIOT	91T84612F01	Ceramic Lock CSB472F2	
*	ZD701	48T52739F35	Zener HZ6A-2							
•	ZD701	48T52739F35	Zener HZ6A-2							
الد	ZD701	48T52739F35	Zener HZ6A-2			1	l			
☆	l	48T52739F35	Zener HZ6A-2			\vdash	Capacito:		1	<u> </u>
♦	ZD701	48152739F35 48T52826F01	Varactor SVC321SP-A2			-	C001	23S41198U66	ELY. 1000 μF/35V	1 1
◆	VD301	48152826F01	Varactor SVC321SP-A2				C002	23S40657F14	ELY. 1000 \(\mu \) F/16V	
\Diamond	VD301	1	Varactor SVC321SP-A2				C002	23S40657F14	ELY. 100 μ F/16V	
	VD302	48T52826F01	MALACIOL SACOTIOL-VI				C004	23S40657F13	ELY. 47 μF/16V	
	ımeaa	10mm 0000004	Namedae OVOQQIOD 10				C004	23S40657F14	ELY. 100 μ F/16V	
•	VD303	48T52826F01	Varactor SVC321SP-A2 Varactor SVC321SP-A2				C000	40340001714		
\Diamond	VD303	48T52826F01	Varactor SVC321SP-A2				C007	23T74513F06	ELY. 18 μF/5.5V	
	VD304	48T52826F01	varactor Syc321SP-A2				C008	23S40657F10	ELY. 10 μF/16V	
		İ						23S40657F26	ELY. 47 μF/35V	
							C009	1		
		1					C010	23S40657F26	ELY. 47 μF/35V	
<u> </u>			1		L		C011	23S40657F32	ELY. 10 μF/50V	
	Switches		Slide SSSS22				C012	23S40657F32	ELY. 10 μ F/50V	
*	\$401	40T72577F01	Slide SSSS22				C012	23S40657F28	ELY. 47 μ F/35V	
☆	S401	40T72577F01				1	C014	23S40657F13	ELY. 47 μF/16V	
١.	S501	40T84669F01	Slide SSSJ1(C)			1	C014	23S40657F32	ELY. 10 μF/50V	
*	S502	40T72576F01	Slide SSSS21			1	C016	23S40657F13	ELY. 47 μF/16V	
☆	S502	40T72576F01	Slide SSSS21			1	C010	20340001713	ΕΕΙ. 41 μ1/101	
	S503	40T84669F01	Slide SSSJ1				C017	08S40805F21	CER. 0.022 μ F	
	S504	40T72576F01	Slide SSSS21				C018	08S40805F21	CER. 0.022 \(\mu \) F	
*	1	40172576F01	Slide SSSS21				C105	08S40805F21	CER. 0.022 μF	
☆	S504	40112010101	31146 333321				C106	08S40805F21	CER. 0.022 μ F	
						ŀ	C107	08S40805F21	CER. 0.022 μ F	
							010,	00040000121	ODA: 0.000 p. 1	
							C108	21S40655F11	CER. 10pF	
H	Filters		1				C109	08S40805F21	CER. 0.022 µ F	
•	BF101	91T74482F01	ВРМВ6А				C110	08S40805F21	CER. 0.022 µ F	
♦	BF101	91T74482F01	ВРМВ6А				C111	08S40805F21	CER. 0.022 µ F	
ě	BF601	91T84593F01	SAF54MC70Z				C112	08S40805F21	CER. 0.022 µ F	
٦	CF101	91T84598F01	SFE10.7MXK							
1	CF101	91T84599F01	SFE10.7MS3G				C113	08S40805F21	CER. 0.022 µ F	
	0, 102	0110100000					C114	23S40657F14	ELY. 100 μ F/16V	
	CF103	91T84599F01	SFE10.7MS3G				C115	08S40805F21	CER. 0.022 µ F	
1	CF104	91T51131F02	SFE10.7 ML-A				C116	08S40805F21	CER. 0.022 µ F	
	CF301	91T60378F01	CER. BFU450C4N				C117	08S40805F21	CER. 0.022 µ F	
1	L401	91T84609F01	ANT. BIRDY							
1		91T66943F01	MPX				C118	08S40805F21	CER. 0.022 µ F	
	L402	91100949101	ru A				C119	08S40805F21	CER. 0.022 µ F	
	1 400	01700049001	MDA				C120	08S40805F21	CER. 0.022 µ F	
	L403	91T66943F01	MPX				C120	08S40805F21	CER. 0.022 µ F	
							C121	08S40805F21	CER. 0.022 µ F	
1							0122	30030000121		
Ц.	ل		odel only (IA)			ب		only (HZ)	I	

Note: : For Japanese model only (JA)

[:] For North American model only (UZ)

^{★:} For General Foreign model only (EK)

^{◆:} For West Germany model only (T-117L SD)

^{★:} For General Foreign model only (T-03 EK) ♦: For West Germany model only (T-03L SD) Others: Common When replacing varactor diodes. VD301 ~VD304. always diode with the same rank.

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Symbol No.	Part No.	Description				Symbol No.	Part No.	Description		
C123	08S4O805F21	CER. 0.022 µ F	1		♦	C224	08S40805F21	CER. 0.022 μ F	-	
C124	08S40805F21	CER. 0.022 µ F			•	C225	23S40657F27	ELY. 0.47 μF/50V	-	
C125	08S4D805F21	CER. 0.022 \(\mu \) F			0	C225	23S40657F27	ELY. 0.47 μF/50V		ļ
C128	08S40805F21	CER. 0.022 µ F	1 1	1		1	i			
1		1			•	C226	21S40855F27	CER. 220pF	1	
C127	08S40805F21	CER. 0.022 µ F			0	C226	21S40655F27	CER. 220pF		ł
● C128	23S40657F10	ELY. 10 μF/16V				C227	21S40655F17	CER. 33pF		
C129	08S40805F21	CER. 0.022 µ F				C228	08S40805F21	CER. 0.022 µ F		ĺ
C130	08S40805F21	CER. 0.022 μ F				C229				
i	23S40657F14	1			1	l	23S40657F14	ELY. 100 μ F/16V		ĺ
C131	1 -	ELY. 100 μ F/16V				C230	08S40805F21	CER. 0.022 μ F		
C132	08S40805F21	CER. 0.022 μ F				C231	08S40805F21	CER. 0.022 μ F		
C133	08S40805F21	CER. 0.022 µ F				C232	08S40805F21	CER. 0.022 μ F		
C134	23S40657F28	ELY. 1 µ F/50V				C233	08S40805F21	CER. 0.022 \(\mu \) F		
C135	08S40805F21	CER. 0.022 µ F				C234	21S40655F12	CER. 12pF	1	
C136	08S40805F21	CER. 0.022 µ F				C235	21S40655F26	CER. 180pF		
C137	08S40805F21	CER. 0.022 \(\mu\) F			1	C236	1		- {	l
(13)	00340003121	OER. 0.022 μ Γ				C230	08S40805F21	CER. 0.022 μ F		
C138	08S40805F21	CER. 0.022 µ F				C237	23S40657F14	ELY. 100 μ F/16V		
C139	08S40805F21	CER. 0.022 µ F				C238	08S40805F21	CER. 0.022 μ F		
C140	23S40657F27	ELY. 0.47 μF/50V				C239	08S40805F21	CER. 0.022 µ F		ı
C141	23S40657F14	ELY. 100 μ F/16V			1	C240	08S40805F21	CER. 0.022 µ F		
C142	23T42478F18	ELY. 0.1 μ F/50V				C241	08S40805F21	CER. 0.022 µ F		
1	{									
C143	23S41198U27	ELY. 47 μF/16V			1	C242	08S40805F21	CER. 0.022 µ F		ĺ
C201	08S40805F21	CER. 0.022 μ F				C243	08S40805F21	CER. 0.022 µ F		ĺ
C202	08S40805F21	CER. 0.022 μ F				C244	08S40805F08	CER. 1200pF		
C203	08S40805F07	CER. 1000pF				C245	23S40657F10	ELY. 10 μF/16V		ĺ
C204	08S40805F21	CER. 0.022 µ F				C246	23S40657F10	ELY. 10 μF/16V		
0005	00040005501	OPP A AGG P				20.45	00010007701	ODD 0 000 B		ł
C205	08S40805F21	CER. 0.022 µ F				C247	08S40805F21	CER. 0.022 µ F	1	l
C206	23S40657F10	ELY. 10 μF/16V				C248	21S40655F17	CER. 33pF		ĺ
C207	08S40805F21	CER. 0.022 μ F	[]	İ		C249	08S40805F21	CER. 0.022 μ F		
C208	23S40657F10	ELY. 10 μF/16V				C250	08S40805F21	CER. 0.022 μ F		1
C209	08S40805F21	CER. 0.022 µ F				C251	21S40655F17	CER. 33pF		ĺ
C210	08S40805F07	CER. 1000pF				C252	21S40655F06	CER. 5pF		ĺ
C211	08S40805F21	CER. 0.022 μ F				C253	08S40656F13	1		ı
C211	23S40657F14	ELY. 100 μ F/16V	} }		\Q	C253	08S40656F13	MYL. 0.01 μF		
1	08S40805F21	CER. 0.022 μ F			\	ì	1	MYL. 0.01 μF		ı
C213	1	1	1 1		1	C255	08S40805F21	CER. 0.022 μ F		!
C214	08S40805F21	CER. 0.022 μ F				C256	08S40805F21	CER. 0.022 μ F		į
C215	08S40805F21	CER. 0.022 µ F		1	•	C257	08S40656F13	MYL. 0.01 μF		i)
C216	08S40805F21	CER. 0.022 µ F		J	0	C257	08S40656F13	MYL. 0.01 μF		
C218	23S40657F30	ELY. 3.3 μ F/50V	1 1		•	C258	08S40656F13	MYL. 0.01 μF		
C219	23T43247F09	ELY. 10 μ F/16V			0	C258	08S40858F13	MYL. 0.01 μF		
C213	23S40657F31	ELY. 4.7 μ F/50V		1	ě	C301	08S40805F21	CER. 0.022 \(\mu \) F		
CLLO	2003001101	100 t 201 po 1 / 007				0001	00010000121	υ. υ. υ. υ. μ ι		
◆ C222	23S40657F13	ELY. 47 μP/16V			\	C301	08S40805F21	CER. 0.022 µ F		
♦ C222	23S40657F13	ELY. 47 μF/16V				C302	08S40805F21	CER. 0.022 µ F		
◆ C223	21S40655F27	CER. 220pF		Į	•	C303	21S40655F19	CER. 47pF		
♦ C223	21S40655F27	CER. 220pF		1	0	C303	21S40655F19	CER. 47pF	1 1	
◆ C224	08S40805F21	CER. 0.022 μ F				C304	08S40805F21	CER. 0.022 µ F		
			1.	ĺ						
						1				
	<u> </u>	del only (14)	· For No			L	L			

Note: ●: For Japanese model only (JA)

■: For North American model only (UZ)

^{★:} For General Foreign model only (EK)

^{◆:} For West Germany model only (T-117L SD)

^{☆:} For General Foreign model only (T-03 EK) ◇: For West Germany model only (T-03L SD) Others: Common

Symbol No.	Part No.	Description	S	ymbol No.	Part No.	Description	
C305	08S40805F21	CER. 0.022 µ F	•	C417	23S40657F10	ELY. 10 μF/16V	
C306	08S40805F21	CER. 0.022 μ F		C418	23S40657F10	ELY. 10 μF/16V	
C307	08S40805F21	CER. 0.022 μ F		C419	23T43247F04	ELY. 0.47 µF/50V	ì
C308	08S40805F21	CER. 0.022 μ F	1	C420	23S40657F27	ELY. 0.47 \(\mu\) F/50V	
C309	23S40657F10	ELY. 10 μF/18V		C421	08S40656F13	MYL. 0.01 μF	
0303	20040007110	DD1. 10 p.1/101					
C310	08S40805F21	CER. 0.022 µF		C422	23S40657F10	ELY. 10 μF/16V ELY. 10 μF/16V	
C311	08S40805F07	CER. 1000pF		C423	23S40857F10		
C312	08S40805F21	CER. 0.022 μ F		C424	23S40657F29	ELY. 2.2 \(\mu \) F/50V	
C313	08S40805F21	CER. 0.022 μ F	1	C425	23S40657F29	ELY. 2.2 μ F/50V	Ì
C314	23S40657F30	ELY. 3.3 μ F/50V		C426	23S40657F14	ELY. 100 μ F/16V	
C315	08S40805F21	CER. 0.022 µ F	•	C427	21S40655F24	CER. 120pF	
C316	23S40657F30	ELY. 3.3 \(\mu \) F/50V		C427	21S40655F24	CER. 120pF	
C317	23S40657F27	ELY. 0.47 µF/50V	•	C428	08T52448F06	PP. 510pF	
C318	08S40805F21	CER. 0.022 μ F		C428	08T52448F10	PP. 750pF	
C320	08S40805F21	CER. 0.022 μ F	*	C428	08T52448F06	PP. 510pF	
C321	08S40805F07	CER. 1000pF	•	C428	08T52448F06	PP. 510pF	
C322	23S40657F14	ELY. 100 μ F/16V	☆	C428	08T52448F06	PP. 510pF	
	08S40805F21	CER. 0.022 µ F	ô	C428	08T52448F06	PP. 510pF	
C323	08S40805F21	CER. 0.022 μ F	Ĭ	C429	08T52448F06	PP. 510pF	
C327 C328	23S40857F10	ELY. 10 μF/16V		C429	08T52448F10	PP. 750pF	
				0400	00750440700	DD 510=D	
C329	21S40655F24	CER. 120pF	 *	C429	08T52448F06	PP. 510pF	
C329	21S40655F24	CER. 120pF	•	C429	08T52448F06	PP. 510pF	ŀ
C330	21S40655F11	CER. 10pF	☆	C429	08T52448F06	PP. 510pF	
C331	21S40655F27	CER. 220pF	♦	C429	08T52448F06	PP. 510pF	
C331	21S40855F27	CER. 220pF		C430	08S40856F13	MYL. 0.01 μF	
C332	21S40655F29	CER. 330pF		C431	23S40657F10	ELY. 10 μF/16V	
C333	08S40805F21	CER. 0.022 µ F		C432	23S40657F10	ELY. 10 μF/16V	
C401	23S40657F10	ELY. 10 μF/16V		C433	23S40657F10	ELY. 10 μF/16V	
C402	23S40657F10	ELY. 10 μF/16V		C434	23S40657F10	ELY. 10 μF/16V	
C403	23S40857F14	ELY. 100 μ F/16V		C435	23S40657F10	ELY. 10 μF/16V	
0404	23S40657F10	ELY. 10 μF/16V		C437	21S40655F23	CER. 100pF	
C404	1	ELY. 10 μF/16V		C438	08T52448F07	PP. 560pF	
C405	23S40657F10	CER. 1000pF		C439	23S40657F10	ELY. 10 μF/16V	
C406	08S40805F07	1	11	C440	23S40657F02	ELY. 47 μF/6.3V	
C407 C408	1	MYL. 0.047 μF ELY. 0.47 μF/50V		C441	23S40657F10	1	
				CATO	99040057011	ELY. 22 μF/16V	
C409		ELY. 1 \(\mu \) F/50V	П	C442	23S40657F11	•	
C410	1	ELY. 1 μ F/50V		C501	23S40657F26	ELY. 47 μF/35V	
C411		I	H	C502	23S40657F28	ELY. 1 \(\mu \) F/50V	
C412			11.	C503	23S40657F27	ELY. 0.47 μF/50V	
C413	23S40657F14	ELY. 100 μ F/16V	•	C504	23S40657F27	ELY. 0.47 μF/50V	
C414	23S40857F14	ELY. 100 μ F/16V	•	C505	23S40657F28	ELY. 1 μ F/50V	
★ C415		PP. 750pF	11	C506	23S40657F03	ELY. 100 μ F/6.3V	
☆ C415	1	1	•	C509	08S40805F07	CER. 1000pF	
★ C416	1	PP. 750pF	•	C510	08S40805F07	CER. 1000pF	1
☆ C416	1	PP. 750pF	•	C511	08S40805F21	CER. 0.022 µ F	

Note: ●: For Japanese model only (JA)

: For North American model only (UZ)

^{★:} For General Foreign model only (EK)

♦: For West Germany model only (T-117L SD)

A: For General Foreign model only (T-03 EK)

♦: For West Germany model only (T-03L SD) Others: Common

•	mbol	Part No.	Description		8	Symbol N-	Part No.	Description	1
7	No.	21010055715	000		<u> </u>	No.			_
-	C512	21S40655F17	CER. 83pF		•	C704	23S40657F27	ELY. 0.47 μF/50V	-
1	C513	21S40655F17	CER. 33pF		•	C705	23S40657F31	ELY. 4.7 μ F/50V	l
1	C514	08S40805F21	CER. 0.022 µ F		•	C706	23S40657F31	ELY. 4.7 μF/50V	
١	C515	21S40655F17	CER. 33pF		•	C709	23S40657F12	ELY. 33 μF/16V	- 1
- 1	C516	21S40655F17	CER. 33pF		•	C710	08T42081U12	POLY.300pF	
	05.5	00040005701	OPP A AGG P			0711	00040057704	DIV 4 7 D/COV	
- 1	C517	08S40805F21	CER. 0.022 μ F		•	C711	23S40657F31	ELY. 4.7 μ F/50V	
ĺ	C518	21S40655F22	CER. 82pF		•	C712	23S40657F10	ELY. 10 μF/16V	- 1
-	C519	21S40655F22	CER. 82pF			C713	23S40657F10	ELY. 10 µF/18V	ł
- [C520	08S40805F21	CER. 0.022 µ F	1 1	•	C714	23T42477F09	ELY. B.P 4.7 μ F/25V	1
	C522	21S40655F19	CER. 47P		•	C715	23T43247F08	ELY. 4.7 μ F/25V	ł
	C523	21S40655F17	CER. 33pF			C716	23T43247F05	ELY. 1 μ F/50V	ł
			1 .			ľ	1	·	
	C524	23S40657F31	ELY. 4.7 μ F/50V		•	C717	23T43247F05	ELY. 1 μ F/50V	1
╸	C525	23T41366F39	ELY. B.P 0.47 μF/50V		•	VC301	20T47503F02	Trimmer TZ03 (RED)	- 1
▶	C525	23T41366F39	ELY. B.P 0.47 μF/50V]]		VC301	20T47503F02	Trimmer TZ03 (RED)	
>	C525	23T41366F39	ELY. B.P 0.47 μF/50V			VC302	20T47503F02	Trimmer TZ03 (RED)	
	C603	08S40805F21	CER. 0.022 µ F		•	VC303	20T47503F02	Trimmer TZ03 (RED)	
	C804	23S40657F10	ELY. 10 μ F/16V		0	VC303	20T47503F02	Trimmer TZ03 (RED)	
		1	1		`	1	1	1	}
	C605	08S40805F21	CER. 0.022 µ F			VC304	20T47503F02	Trimmer TZ03 (RED)	
	C607	08S40805F21	CER. 0.022 µ F			VC401	20T47503F03	Trimmer TZ03 (YEL)	
	C609	08S40805F21	CER. 0.022 μ F			VC402	20T47503F03	Trimmer TZ03(YEL)	
	C610	21S40655F26	CER. 180pF						
	C611	08S40805F21	CER. 0.022 µ F		1		1		- 1
	C612	21S40655F06	CER. 5pF				1		
		21S40655F26	CER. 180pF				1	}	- 1
	C813	1			 	<u> </u>	<u> </u>		
	C614	21S40855F13	CER. 15pF		-	oils	04704000001	IDE 10 MAIL (DLV)	
_			lann a m			L101	24T84602F01	IFT. 10.7MHA (BLK)	
•	C615	21S40655F03	CER. 2pF			L103	24T50508F14	IND. 2.2 μH	
₽│	C616	08S40805F21	CER. 0.022 μ F			L104	24T84602F01	IFT. 10.7MHA (BLK)	ļ
₽ j	C616	08S40805F21	CER. 0.022 µ F			L105	24T84605F01	DISCR.	
۶I	C616	08S40805F21	CER. 0.022 µ F			L106	24T50508F14	IND. 2.2 µH	1
Ð	C617	08S40805F21	CER. 0.022 µ F						
-						L107	24T50508F14	IND. 2.2 μH	
•	C617	08S40805F21	CER. 0.022 μ F			L108	24T50508F30	IND. 47 μH	ŀ
>	C617	08S40805F21	CER. 0.022 µ F		1	L109	24T50508F30	IND. 47 μH	
	C618	08S40805F21	CER. 0.022 µ F			L201	24T50508F14	IND. 2.2 μH	
	C619	08S40805F21	CER. 0.022 µ F		1	L202	24T84607F01	VCO 10.7MHZ	
•	C620	08S40805F21	CER. 0.022 \(\mu \) F				22.52001101		
i		1			•	L203	24T50508F14	IND. 2.2 µ H	
•	C621	08S40805F21	CER. 0.022 µ F		\Diamond	L203	24T50508F14	IND. 2.2 μH	-
	C622	21S40655F03	CER. 2pF			L204	24T50508F14	IND. 2.2 μH	
٠	C623	21S40655F11	CER. 10pF			L205	24T74509F01	10.7DOUBLER (BLK)	- 1
	C624	08S40805F21	CER. 0.022 μ F		1	L206	24T74510F01	32.1TRIPLER	İ
	C625	08S40805F21	CER. 0.022 μ F			1200	21111010101	An- 1111 mm	1
	-					L207	24T50508F11	IND. 1.2 µH	
	C626	08S40805F21	CER. 0.022 µ F			L208	24T74511F01	0.8MIXER	
	C627	23S40657F14	ELY. 100 \(\mu \) F/16V			L209	24T80074F01	0.8MIXER 2ND	
	C701	23S40657F14	ELY. 100 μ F/16V	1 1 1	1	L210	24T50508F14	IND. 2.2 µH	
	C702	23S40857F31	ELY. 4.7 \(\mu \) F/50V			L211	24T50508F14	IND. 2.2 \(\mu\) H	
		ľ				0611	#100000F14	ΙΝυ. Δ. Δ μ ΙΙ	
	C703	23S40657F28	ELY. 1 μ F/50V						
		1	i		1		1	1	

^{☆:} For General Foreign model only (T-03 EK) ◇: For West Germany model only (T-03L SD) Others: Common

	∎bol No.	Part No.	Description		-	ibol Vo.	Part No.	Description
-,	NO. L212	24T50508F38	1ND. 220 μH	├──┤ ├-	Jac		<u> </u>	11
- 1	L212	24T50508F38	IND. 220 # H			3401	09T84616F01	Plate phone T5855
- 1	L212	24T50508F38	IND. 220 μ H	1 11		3401	09T84616F01	Plate phone T5855
1			l i			3401 3401	09T84616F01	Plate phone T5855
- 1	L213	24T50508F38	IND. 220 μ H		,		1	1
	L214	24T50508F14	IND. 2.2 μ H	1 11	- 1	E401	09T84616F01	Plate phone T5855
1				1 17	å E	E401	09T84616F02	Plate phone T5855
-	L215	24T50508F38	IND. 220 μH					
	L216	24T50508F38	IND. 220 µH	'		E401	09T84616F02	Plate phone T5855
▶ [L217	24T50508F38	IND. 220 μH		E	E501	09T84124F01	Head phone MINI W
>	L217	24T50508F38	IND. 220 µH	1 11				
•	L301	24T90785F01	Trans. LW ANT				<u> </u>	
l							Stati	ion Switch P.C. Board
>	L301	24T90785F01	Trans. LW ANT	-				
1	L302	24T90784F01	Trans. MW ANT	 	Tra	ansisto		
	L303	24T67274F01	SFL450B-3 (WHT)		(Q801	48T81102F01	2SA1015
	L304	24T53327F01	AM IF (BLK)		0	or	48T81104F01	2SA983A
▶	L305	24T57627F01	Trans. LW OSC (BLK)		(Q802	48S43525F02	2SC1815
>	L305	24T57627F01	Trans. LW OSC (BLK)				<u> </u>	
	L306	24T53326F01	Trans. AM OSC		Dic	odes		
١	L307	24T50508F14	IND. 2.2 µ H		I	D801	48T44813F01	MA165TA
╸┃	L601	24T84590F01	BALUN. 75-75		I	D802	48T44813F01	MA165TA
	L602	24T50508F14	IND. 2.2 µ H	1 11	I	D803	48T44813F01	MA165TA
					I	D804	48T44813F01	MA165TA
	L603	24T50508F11	IND. 1.2μH			D805	48T44813F01	MA165TA
	L604	24T84596F01	IFT. 10.7MHZ (BLK)		1		10111010101	
	L605	24T50508F14	IND. 2.2 μ H		1,	D806	48T44813F01	MA165TA
_	L606	24T50508F08	1ND. 0.68 µH		- 1	D807	48T44813F01	MA165TA
		1	1		'	1000	40144010101	MATOSTA
•	L607	24T50508F14	IND. 2.2 µH					1
R,	eistors	/Thermistors	L L	┸	Swi	itches	<u> </u>	
) 	R5001	51T51133F02	Block 100K ohm x4	\Box		S801	40T84654F01	SKHHQW (DOWN
-	R5002	51T51133F03	Block 10K ohm x7			S802	40T84654F01	SKHHQW (UP)
- [VR101	18T42748F07	SOL V 1K ohm		1	S803	40T84654F01	SKHHQW (FM)
			SOL V 47K ohm		- 1	S804	1	1 ' '
- 1	VR102	18T42748F17	1	.			40T84654F01	SKHHQW (AM)
	VR103	18T42748F17	SOL V 47K ohm	'	• 8	S805	40T84654F01	SKHHQW (TV)
_	VD104	10T40749P17	COL V 47V obs			DONE	40704054701	CAMINON (1 M)
	VR104	18T42748F17	SOL V 47K ohm		1	S805	40T84654F01	SKHHQW (LW)
	VR201	18T42748F13	SOL V 10K ohm	1 11	- 1	S805	40T84654F01	SKHIQW (LW)
ł	VR202	18T42748F13	SOL V 10K ohm	1 11		S806	40T84654F01	SKHHQW (MAIN)
1	VR203	18T42748F17	SOL V 47K ohm	1 11		S807	40T84654F01	SKHHQW (SUB)
	VR204	18T42748F07	SOL V 1K ohm	•	• 8	808	40T84654F01	SKHHQW (MAIN-SUB)
			001 17 407 1			2002	Lome to B	OTHEROT (NEW PACE)
	VR301	18T42748F13	SOL V 10K ohm		- 1	S809	40T84654F01	SKHHQW (M7/M9)
	VR302	18T42748F13	SOL V 10K ohm		- 1	S810	40T84654F01	SKHHQW (M8/M20)
-	VR401	18T42748F24	SOL V 680K ohm		8	S811	40T84654F01	SKHHQW (M9/M21)
	VR402	18T42748F24	SOL V 680K ohm		8	812	40T84654F01	SKHHQW (M10/M22)
	VR403	18T42748F17	SOL V 47K ohm		8	S813	40T84654F01	SKHHQW (M11/M23)
	VR404	18T42748F19	SOL VR 100K ohm		8	S814	40T84654F01	SKHHQW (M12/M24)
	VR501	18C42061J16	VARIABLE 100K ohm		8	815	40T84654F01	SKHHQW (M1~M12/M13 ~M24)
	VR701	18T42748F11	VOL. 4.7K-B		- 1	S816	40T84654F01	SKHHQW (M1/M13)
1	VR702	18T42748F15	SOL V 22K ohm		- 1	8817	40T84654F01	SKHRQW (M2/M14)
) 1		1	ı	1 11	1		i .	
	TH201	48T57369F13	Thermistor 2.5K ohm]]]	- 18	3818	[40T84654F01	SKHHQW (M3/M15) 1
	TH201	48T57369F13	Thermistor 2.5K ohm		S	8818	40T84654F01	SKHHQW (M3/M15)

Note: ●: For Japanese model only (JA)

S	y∎bol No.	Part No.	Description		Symbol No.	Part No.	Description	
П	S819	40T84654F01	SKHHQW (M4/M16)		110.	1	<u> </u>	il.
}	S820	40T84654F01	SKHHQW (M5/M17)				Miscellaneous	
	S821	40T84654F01	SKHHQW (M6/M18)		E101	09T84167F01	Terminal, Antenna	П
-	S822	40T84654F01	SKHHQW (MEMORY)		. 1	09T84167F02	Terminal, Antenna Mult	
	3022	40104004101	Skiller (ribbox1)	([[-			Terminal, Antenna Mult	1 1
			·	*	i	09T84167F02	1	
ļ		ļ			E101	09T84167F02	Terminal, Antenna Mult	
_		<u> </u>		^	E101	09T84167F02	Terminal. Antenna Mult	
		FL,	Display P.C. Board		E101	09T84167F02	Terminal, Antenna Mult	
14	C's				F001	65T55050F08	Fuse, MF60NR 1A-125V	1 1
	1C901	51T84655F01	TC9190N			65T52486F03	Fuse, MF61NM 1A-125V	
	1C902	51T84655F01	TC9190N		í	65T42077U13	Fuse. Semko T-500mA] }
	10000	02.00.00		•	F001	65T42077U13	Fuse. Semko T-500mA	
				☆	F001	65T42077U13	Fuse, Semko T-500mA	
D	lodes			0	F001	65T42077U13	Fuse, Semko T-500mA	
	D901	48T44813F01	MA165TA		F002	65T52486F01	Fuse. MF61NM 0.5A-125V	
	D902	48T44813F01	MA165TA	★	F002	65T42077U10	Fuse, Semko T-250mA	
				•		65T42077U10	Fuse, Semko T-250mA	
					F002	85T42077U10	Fuse, Semko T-250mA	
S	witches				F002	65T42077U10	Fuse. Senko T-250mA	1 1
	S901	40T84654F01	SKHHQW (REC, CAL)		FL901	65T84168F01	Meter. FL 10-BT-15GK	
	S902	40T84654F01	SKHHQW (PROG)		LD801	48T66616F02	LED, SLR-54VR3 (RED)	
	S903	40T84654F01	SKHHQW (1F BAND)		LD802	48T66616F02	LED. SLR-54VR3 (RED)	1 1
	S904	40T84654F01	SKHHQW (AUTO SEEK)					
					LD803	48T66616F02	LED. SLR-54VR3 (RED))]
					LD804	48T66616F02	LED, SLR-54VR3 (RED)	
					LD805	48T66616F02	LED. SLR-54VR3 (RED)	
_	apaci to	L	1		P001	28T66771F01	AC Power Cord	
	C901	08T65480F53	CER. 2200P	 <u>-</u>			AC Power Cord	
	1	J	CER. 2200P		LOOT	28T40916U01	NO FOWER COLU]
	C901	08T65480F52	1		DOO:	00740010700	AC Pours Cond	[
	C901	08T65480F53	CER. 2200P	*	Į.	28T43812P03	AC Power Cord	
*	C901	08T65480F53	CER. 2200P		P001	28T43812P04	AC Power Cord	1 1
☆	C901	08T65480F53	CER. 2200P	*		28T43812P03	AC Power Cord	
						28T43812P04	AC Power Cord	
>	C901	08T65480F52	CER. 1800P	[[S001	40T84672F01	Switch, Push SPUL12 (Power)	
	C902	08T65480F62	CER. 0.022 μ F					
	C903	08T65480F53	CER. 2200pF	*	S002	40T80258F03	Switch, Volt Select 2C	
•	C903	08S65480F55	CER. 3300P	•	S002	40T80258F03	Switch. Volt Select 2C	
	C903	08T65480F53	CER. 2200P	☆	S002	40T80258F01	Switch, Volt Select 4C	
					1	40T80258F03	Switch, Volt Select 2C	
k	C903	08T65480F53	CER. 2200P		T101	25T84662F01	Power Trans	
٠,	C903	08T6548DF53	CER. 2200P]		
>	C903	08S65480F55	CER. 3300P		T101	25T84662F04	Power Trans	
	C904	08T65480F62	CER. 0.022 μ F	*	1	25T84662F03	Power Trans	
•	C910	21C45322G25	CER. 220P	2	T101	25T84662F02	Power Trans	
	0010	51040022020		☆	I			
_ !				*		25T84662F03 25T84662F02	Power Trans Power Trans].]
		FL	Switch P.C. Board					
Ţ	ransisto							
	Q1001	48T81102F01	2SA1015					
	Q1002	48T57337F03	2SD1330					
	1	I	ı	1 11	1	İ	I	

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☆: For General Foreign model only (T-03 EK) ◇: For West Germany model only (T-03L SD) Others: Common

◆: For West Germany model only (T-117L SD)

★: For General Poreign model only (EK)

Cabinet Assembly Parts List

Note: The parts without part numbers are not supplied	lote: The pa	e parts withou	t part numbers	are not	supplied.
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	hal (111			-		0,,	aho1	IN-	C. The parts #	ithout part numbers are no	 11041
1	ibol	IN-	Part No.	Description			1	mbol No		Part No.	Description	
	lo.	dex	*ED01000001	Causa Tan			<u></u>	No.	dex	AOTE ON ADDOO	Haldan Wina OD	
•	1	1-D	15D81388F01	Cover, Top		l	1	27	4-C	09T58943F09	Holder, Wire 2P	
	1	1-D	15D81388F01	Cover, Top		l		28	4-B	07A83876F01	Support, FL	
*	1	1-D	15D81388F01	Cover, Top				31	5-A	64D83791F01	Panel, Front	
•	1	1-D	15D81388F01	Cover, Top				31	5-A	64D83791F02	Panel, Front	
☆	1	1-D	15D81388F02	Cover. Top		l	*	31	5-A	64D83791F02	Panel, Front	
				1								
	1	1-D	15D81388F02	Cover, Top			•	31	5-A	64D83791F03	Panel, Front	
	2		75S72374F66	Cushion, Rubber			☆	31	5-A	64D83791F05	Panel, Front	
	3		03540036001	Screw, W/washer (M4x8)			$ \diamond $	31	5-A	64D83791F04	Panel. Front	
1 1	4		03A82468F01	Screw, Bind (M8x10)				32	2-F	77T84591F01	TV. Tuner TEMN2. (FE601)	
	7		03C42723U01	Screw. Cup (M3x6)				33	2-F	77T84597F01	FM. Tuner TFFG3J115	
	'		03042123001	Screw, cup (Moxo)				00	L 1	77104037101		
_				1. 1. m . 1			1				(FE101)	
•	8		01A80230F01	Assembly, Trannleg			_					
	8	}	01A80230F01	Assembly, Trannleg				33	2-F	77T84597F03	FM. Tuner TFFG3U114A	
•	8		01A80230F01	Assembly, Trannleg				ļ			(FE101)	
*	8		75T57059F01	PAD Trannleg			★	33	2-F	77T84597F03	PM. Tuner TFFG3U114A	
	8		75T57059F01	PAD Trannleg							(FE101)	
							•	33	2-F	77T84597F02	FM. Tuner TFFG3E127A	
☆	8		75T57059F01	PAD Trannleg							(FE101)	
	9		75A67064F01	Felt			☆	33	2-F	77T84597F03	FM. Tuner TFFG3U114A	1
	9		75A67064F01	Felt			1	~~	- '	1.101301100	(FE101)	
			75A67064F01	1			0	33	2-F	77T84597F02	FM, Tuner TFFG3E127A	
•	9			Felt		1 1	1	33	²⁻ F	11104091102		İ
	10		03S44205G20	Screw, Pan (M4x12)		1					(FE101)	
							1_	١	١		l	
	11	5-G	15C83802F01	Cover. Rear			•	34	2-E	09T51960F01	Holder, Fuse	
	11	5-G	15C83802F05	Cover, Rear				34	2-E	09T51960F01	Holder, Fuse	
*	11	5-G	15C83802F02	Cover. Rear		1	*	34	2-E	09T51410F01	Holder, Fuse (Semko)	
•	11	5-G	15C83802F03	Cover, Rear			•	34	2-E	09T51410F01	Holder, Fuse (Semko)	
☆	11	5-G	15C83802F07	Cover, Rear			☆	34	2-E	09T51410F01	Holder, Fuse (Semko)	
							1					
	11	5-G	15C83802F06	Cover, Rear			$ \diamond $	34	2-E	09T51410F01	Holder, Puse (Semko)	
ľ	12	-	03S71031F04	Screw, Bind (M3x8)				35	4-H	55T84676F01	Lock, Antenna Holder	
1	15		03C42723U02	Screw. Cup (M3x8)				36	3G	01T84592F02	Assembly, Coax Cable RCA	ļ
1	16		03S71031F02	Screw, Bind (M2.6x8)				37	2-F	01T84592F01	Assembly, Coax Cable	
	17		04A53398F01	Washer, Nylon (M2.6)				38	3-F	01T84592F03	Assembly, Coax Cable B.IM	
1	11		U4A00000FU1	Washer, Nylon (M2.0)				**	9-T	01104052705	ASSEMBLY: COAX CADLE D. IN	
	٠.		01001000001	Annualty Passa Passa			1	40	4-2	40700510701	Canasa B C Board	
-	18	5-C	01C84628F01	Assembly, Frame Front				40	4-E	43T93516F01	Spacer P.C. Board	
	18	5-C	01C90593F01	Assembly, Frame Front			*	41	1-D	03D40014G49	Screw. W/washer (M3x8)	1
*	18	5-C	01C90593F01	Assembly, Frame Front			•	41	1-D	03D40014G49	Screw. W/washer (M3x8)	
•	18	5-C	01C90791F01	Assembly, Frame Front			. ☆	41	1-D	03D40014G49	Screw. W/washer (M3x8)	
☆	18	5-C	01C92804F01	Assembly, Frame Front			\$	41	1-D	03D40014G49	Screw. W/washer (M3x8)	1
}							1					
\Diamond	18	5-C	01C92203F01	Assembly, Frame Front			*	42	2-C	47C64899F44	Shaft	
•	21	3-A	36B70885F07	Knob. Power			•	42	2-C	47C64899F44	Shaft	
	21	3-A	36B70885F07	Knob. Power			☆	42	2-C	47C64899F44	Shaft	
★	21	3-A	36B70885F07	Knob, Power			\Q	42	2-C	47C64899F44	Shaft	
	21	3-A	36B70885F07	Knob. Power		[44		14S56709F01	Insulator, Transistor	
1		"					1		Į			
12	21	3-A	36B70885F08	Knob, Power								
☆	21	1	36B70885F08	Knob, Power			1					-
18	21	3-A	L	1								
	22		03S44205G40	Screw, Bind (M8x4)								1
1	23	4-G	43B41625J02	Support Cord			1	'				
1	24	3-D	29A41814G01	Lug								
1		1	1				1					
L	L	L								<u>. </u>		<u></u>
. 31 .		-		only (IA)	D 11	orth A			11	(11/2)		

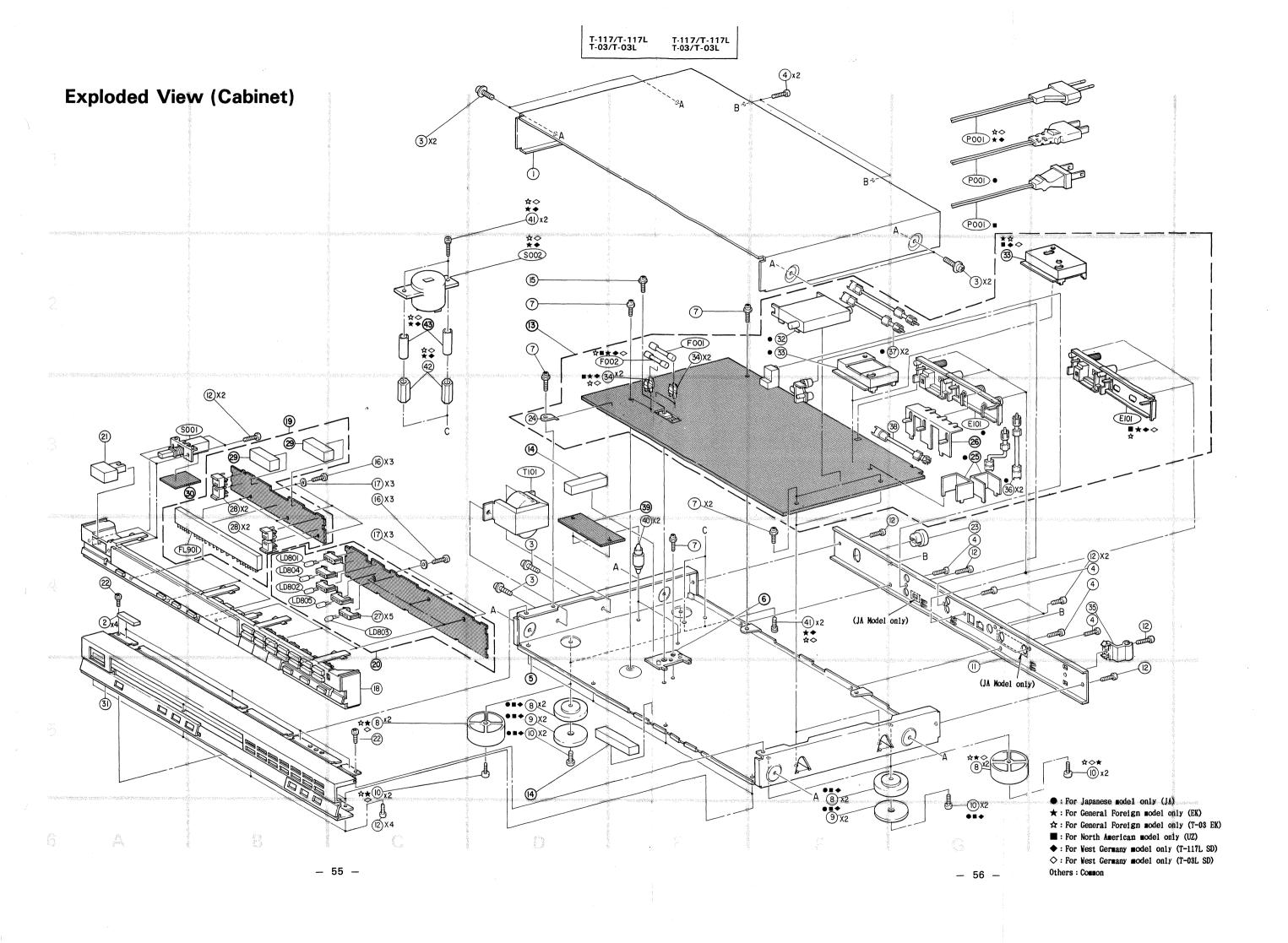
Note: ●: For Japanese model only (JA)

: For North American model only (UZ)

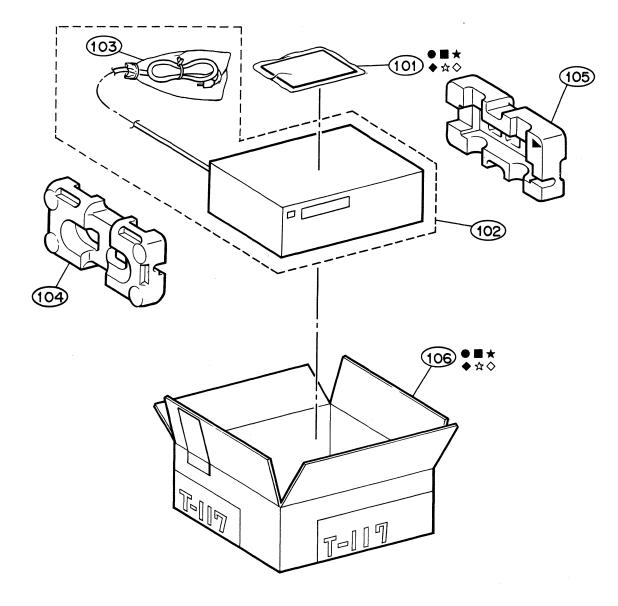
★: For General Foreign model only (EK)

◆: For West Germany model only (T-117L SD)

☆: For General Foreign model only (T-03 EK) ◇: For West Germany model only (T-03L SD) Others: Common



Packing Method View



Packing Assembly Parts List

	mbol No.	Part No.	Description			;	Symbol No.	Part No.	Description		
	101-1	68P83132F28	Owner's Manual		1	1 🗁	T			-	\vdash
	101-1	68P83132F29	Owner's Manual		1	11					
- 1			1		1						
	101-1	68P83132F30	Owner's Manual		1	П					
	101-1	68P83132F30	Owner's Manual	1	1	11					
	101-1	68P83710F10	Owner's Manual			H					l
	101-1	68P83710F10	Owner's Manual			.					
	101-2	85T90254F01	Antenna. PM	ı		Ш					
. 1		85T90254F02	Antenna, FM	J	1	11					
	101-2		1	- 1	1	11					
		85T90254F02	Antenna, FM	- 1		Н					
	101-2	85T90254F02	Antenna, FM								
	101-2	85T90254F02	Antenna. FM		İ						
-	101-2	85T90254F02	Antenna. FM			11					
	101-8	85T84674F01	Antenna, AM	- 1	1	Ш					
1		28T84675F01	Plug, F-Type (FM)								
						Ш					
	101-5	09T71169F01	Plug. TV. Antenna		l	Ш					
	101-5	09T71169F01	Plug. TV. Antenna								
	101-5	09T71169F01	Plug, TV. Antenna			Ш					l
		09T71169F01	Plug, TV. Antenna			11			•		ł
	101-6	28T70621F03	Plug. Output	1							L
1	101-7	01T82091F01	Assy, Mini Plug Cord			П					ľ
	101 /	01102031101	hasy, milli flug cold								
	101-8	28T67347F01	Plug Audio Cable								
	101-8	28T67347F01	Plug Audio Cable	.	1	11]			j	
	102	56B40442T07	Packing, Front Frame								
	103	56B40230G08	Sack, Polyethylene		1	11	1				
	104	56D81391F01	Packing, Tray							į	
										- 1	
	105	56D81391F02	Packing, Tray			11					1
- 1					1	11 .					1
1	106	56S71001F96	Carton, Packing	ı	1	11				ļ	
- 1	106	56S83833F15	Carton. Packing		1	H	1			- 1	
- 1	106	56S83833F15	Carton, Packing		1						
	106	56S83833F18	Carton, Packing		l						
	106	56S83833F20	Carton, Packing								l
	106	56S83833F19	Carton Packing	- 1	1	11					
	100	00300000111	Carton, Facking								
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l	- 1				1		1				1

Note: ●: For Japanese model only (JA)

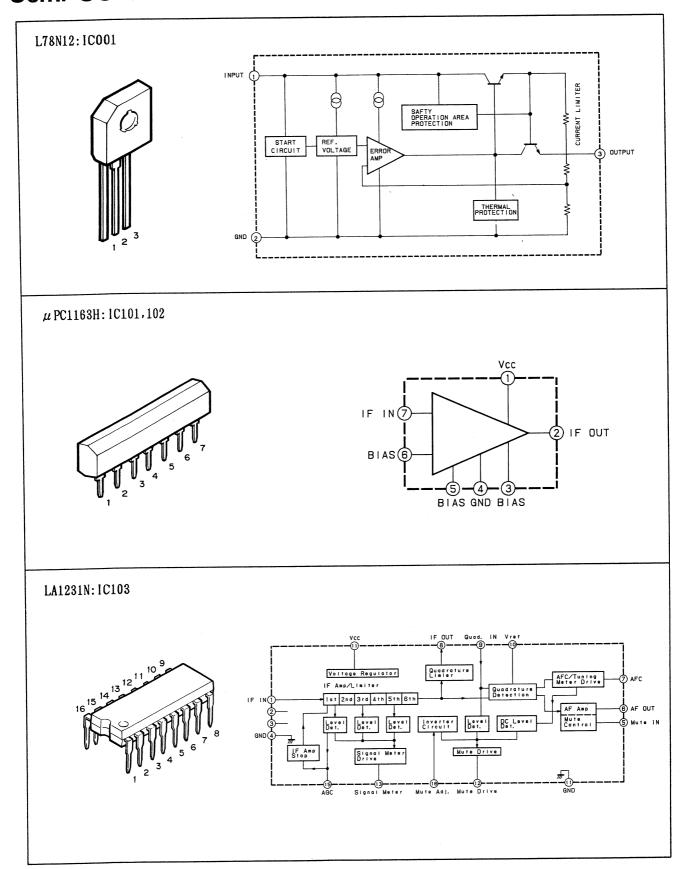
: For North American model only (UZ)

^{★:} For General Foreign model only (EK)

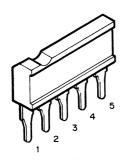
^{◆:} For West Germany model only (T-117L SD)

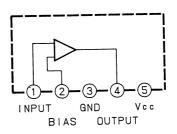
^{☆:} For General Foreign model only (T-03 EK) ◇: For West Germany model only (T-03L SD) Others: Common

Semi-Conductor Lead Identifications

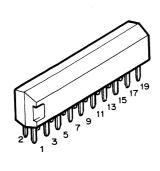


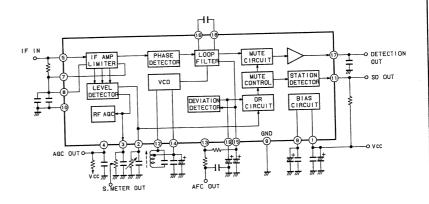
BA401: IC104



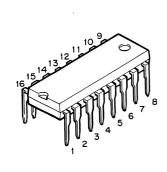


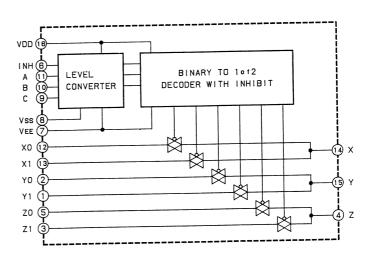
μ PC1211V: 1C201



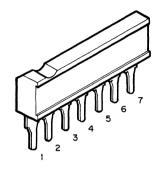


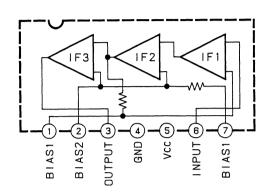
BU4053B: IC202.506



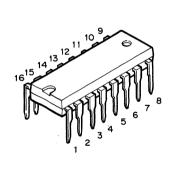


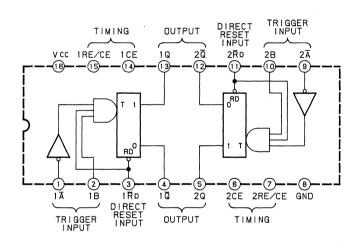
BA402:1C203



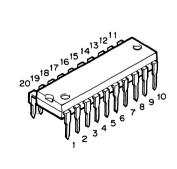


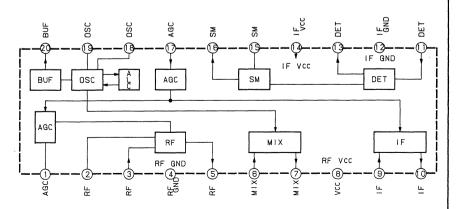
M74LS123P: IC204



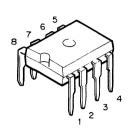


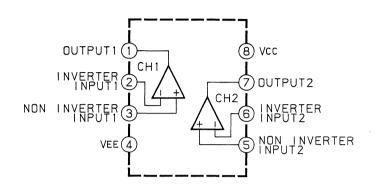
LA1245: IC301



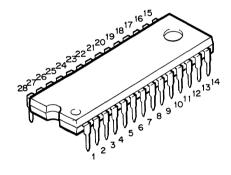


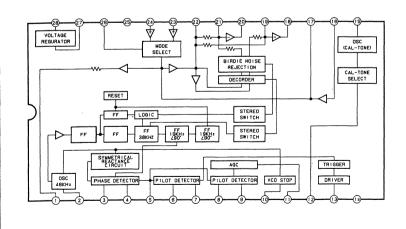
M5238P: IC401,404



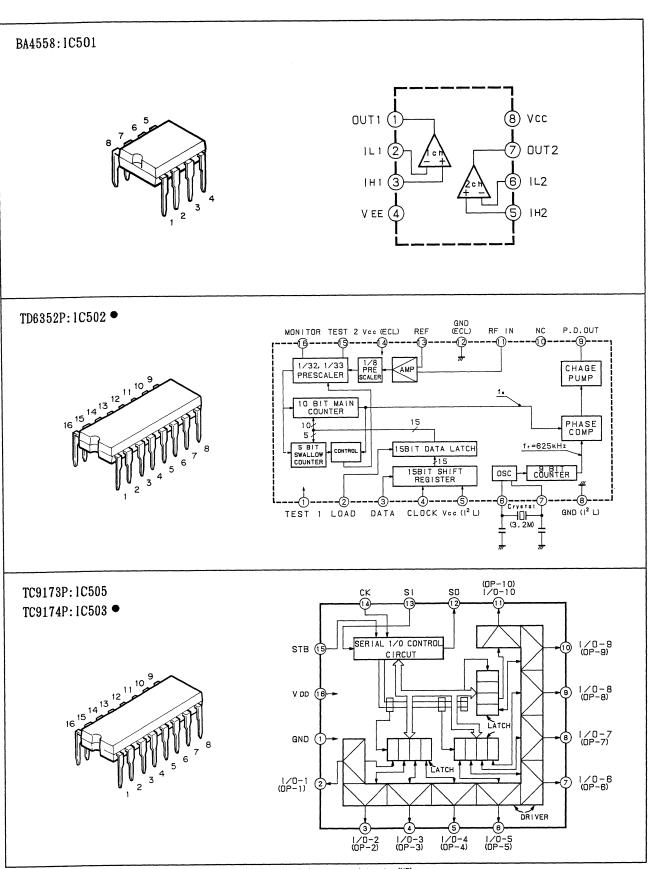


LA3450: IC402





Pin No	DESCRIPTION
1	COMPOSITE AMP OUT
2	OSC
3	LOOP FILTER
4	LOOP FILTER
5	PLL IN
6	PILOT SYNC DETECT FILTER
7	PILOT SYNC DETECT FILTER
8	PILOT SYNC DETECT FILTER
9	PILOT SYNC DETECT FILTER
10	VCO STOP
11	PILOT CANCEL
12	CAL-TONE CONTROL
13	STEREO INDICATOR
14	GND
15	CAL-TONE OSC OUT
16	CAL-TONE IN
17	PILOT CANCEL IN
18	POST AMP OUT
19	POST AMP IN
20	POST AMP OUT
21	POST AMP IN
22	SEPARATION ADJ
23	AM IN
24	FM IN
25	SIGNAL GND
26	AM/FM SELECT
27	V REF
28	POWER SUPPLY



Note: lacktriangle: For Japanese model only (JA)

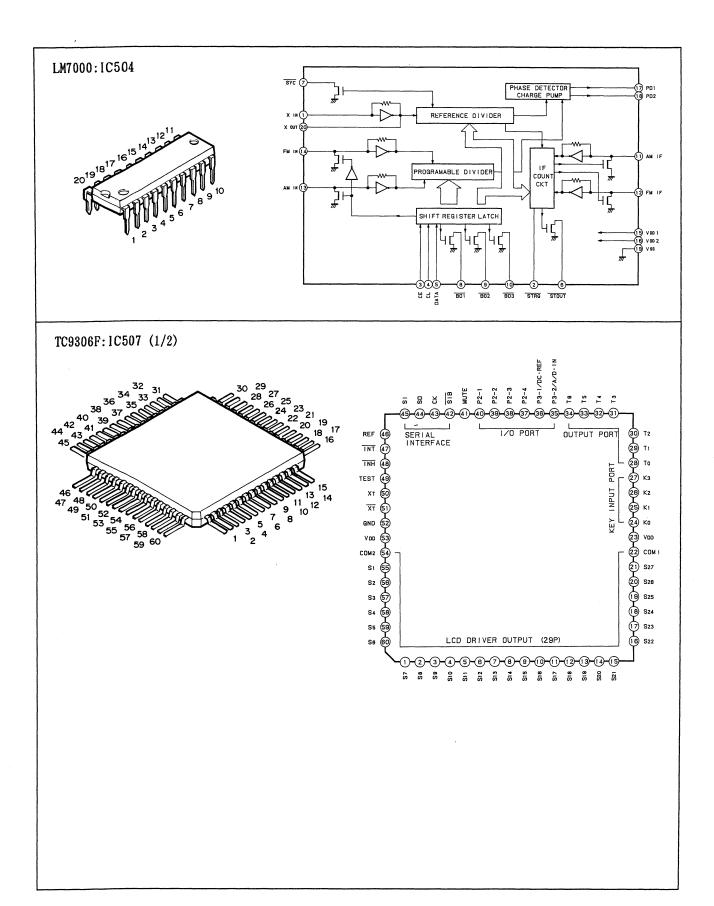
★: For General Foreign model only (EK)

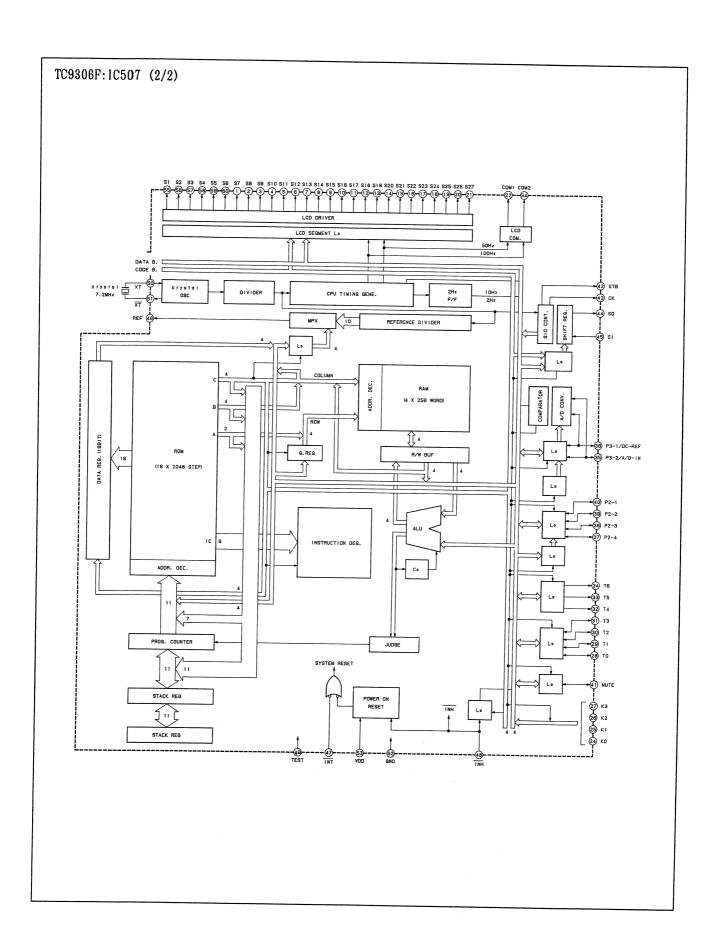
■: For North American model only (UZ)

◆: For West Germany model only (T-117L SD)

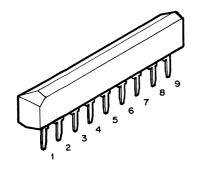
☆: For General Foreign model only (T-03 EK) ◇: For West Germany model only (T-03L SD) Others: Common

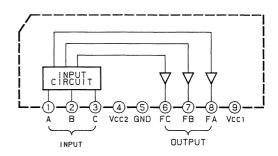
- 63 -



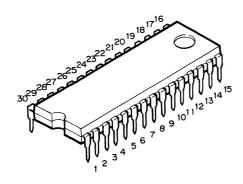


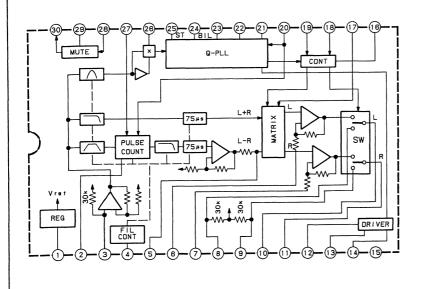
LA7905: IC601 •





LA3801: IC701 •





Pin No	DESCRIPTION
1	Vcc
2	PULSE COUNT BIAS
3	TV IN
4	FILTER ADJ.
5	SEPALATION ADJ.
6	L CH (MAIN) GAIN
7	R CH (SUB) GAIN
8	FM (L) IN
9	FM (R) IN
10	AM (L) OUT
11	AM (R) OUT
12	ST IND.
13	BIL. (MAIN) IND.
14	BIL.(SUB) IND.
15	GND
16	TV/FM
17	PALARITY
18	BIL. (MAIN)
19	BIL. (SUB)
20	VCO-STOP
21	CERAMIC FILTER
22	PLL LPF
23	PLL LPF
24	BIL.SYNCHRONOUS DETECTION LPF
25	ST SYNCHRONOUS DETECTION LPF
26	AM DETECTION LPF
27	PULSE COUNT LPF
28	MUTE IN
29	Vec ON/OFF MUTE
30	MUTE DRIVE

Note: ●: For Japanese model only (JA)

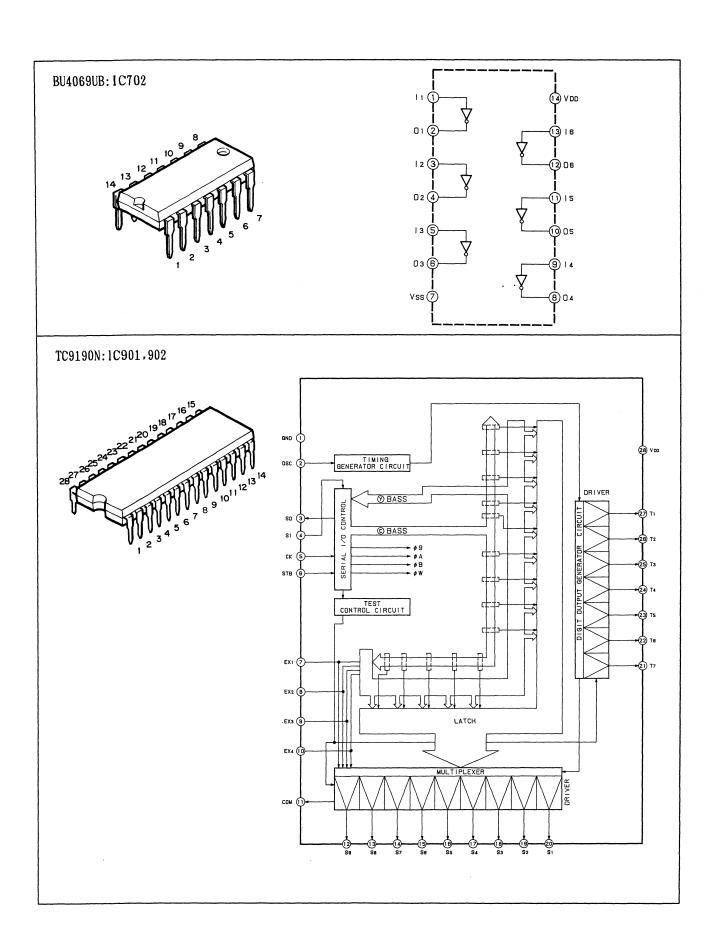
●: For Japanese model only (JA)

★: For General Foreign model only (EK)

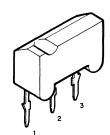
☆: For General Foreign model only (T-03 EK)

◇: For West Germany model only (T-03L SD)

Others: Common

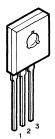


2SD1330:Q1002



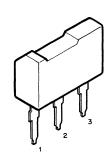
- 1. Emitter
- 2. Collector
- 3. Base

2SD1563:Q001



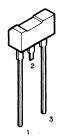
- 1. Emitter
- 2. Collector
- 3. Base

2SD1225M:Q001 ☆★◇◆■



- 1. Emitter
- 2. Collector
- 3. Base

2SA1555AB:Q008.010.011 ◆◇◆ 2SC4032AB:Q006.012.111 ◆



- 1. Emitter/GND
- 2. Collector/OUT
- 3. Base/IN

2SA1015:Q1001,505 ●◇◆

2SA1015:-Q116.308.404.411.501.503.504.217♦◆ 2SA933A:-Q307♦◆.801.116

 $2SC1740: Q002.003.004.005.007.009.015.104.105.107.108.109 •.112.115.117.118 •.210.211.212.213. \\ 2SC1815: Q214.302.305.306.405 •.410.412 •.502.203 <math>\diamond$ •.215 \diamond •.216 \diamond •.301 \diamond •.401 \diamond •.

2SC1815:Q119.802

2SC1674:Q206.207.208.303.601 •.602 • > •

2SC1675:Q209,603

2SD1302:Q402.403.409



- 1. Emitter
- 2. Collector
- 3. Base

Note: •: For Japanese model only (JA)

^{■:} For North American model only (UZ)

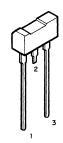
•: For West Germany model only (T-117L SD)

^{★:} For General Foreign model only (EK)

^{☆:} For General Foreign model only (T-03 EK) ◇: For West Germany model only (T-03L SD) Others: Common

2SK246:Q113.114.201.202.406 2SK241:Q205 1. Source 1. Drein 2. Source 2. Gete 3. Drein 3. Gete 2SK301:Q407 ● , 408 ●

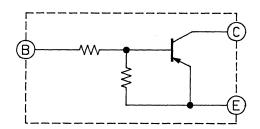
DTA124EL:Q510 ■



- 1. Emitter
- 2. Collector

1. Drein 2. Gete 3. Source

3. Base



Note: ●: For Japanese model only (JA)

★: For General Foreign model only (EK)

\$\phi\$: For General Foreign model only (T-03 EK)

\$\phi\$: For West Germany model only (T-117L SD)

\$\phi\$: For General Foreign model only (T-03 EK)

\$\phi\$: For West Germany model only (T-03L SD) Others: Common — 69 —